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<input type="checkbox"/>	L4	L2 and stomach	0
<input type="checkbox"/>	L3	l1 same stomach	0
<input type="checkbox"/>	L2	L1 with stomach	0
<input type="checkbox"/>	L1	PRO1013 with polypeptide	197

END OF SEARCH HISTORY

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OM protein - protein search, using sw model

Run on: August 21, 2006, 20:23:06 ; Search time 34 Seconds
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815.043 Million cell updates/sec

Perfect score: 2109

Sequence: 1 MEGESTSAVLGFGVGLALF.....TDEIERKQKGFGRSPTF 409

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

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243793 seqs, 67754213 residues

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- 3: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US07_NEW_PUB.psp.*
- 4: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US08_NEW_PUB.psp.*
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- 6: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US10_NEW_PUB.psp.*
- 7: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US11_NEW_PUB.psp.*
- 8: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US60_NEW_PUB.psp.*

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SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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5	160.5	7.6	324	6	US-10-953-349-7527
6	128	6.1	446	6	US-10-449-902-36916
7	124.5	5.9	972	6	US-10-480-962-4
8	122	5.8	3113	6	US-10-505-928-325
9	121	5.7	348	6	US-10-449-902-48340
10	118.5	5.6	686	6	US-10-449-902-45659
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14	114	5.4	1828	7	US-11-056-355B-95486
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16	114	5.4	1999	7	US-11-056-355B-95485
17	114	5.4	2008	7	US-11-056-355B-91728
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19	114	5.4	2041	7	US-11-056-355B-98565
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22	114	5.4	2054	7	US-11-056-355B-109803
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24	114	5.4	2073	7	US-11-056-355B-109802
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Sequence 94451, A
Sequence 56744, A
Sequence 20041, A
Sequence 80733, A
Sequence 80732, A
Sequence 80731, A
Sequence 10071, A
Sequence 12, Appl
Sequence 60, Appl
Sequence 51440, A
Sequence 922, App
Sequence 286, App
Sequence 7, Appl
Sequence 27, Appl
Sequence 23, Appl
Sequence 5, Appl
Sequence 7, Appl
Sequence 11, Appl
Sequence 13, Appl
Sequence 10072, A
Sequence 16118, A
Sequence 4496, Ap
Sequence 20043, A
Sequence 20042, A
Sequence 90697, A
Sequence 94453, A
Sequence 78871, A
Sequence 78870, A
Sequence 79869, A
Sequence 9813, Ap
Sequence 45534, A
Sequence 9812, Ap
Sequence 45533, A
Sequence 9811, Ap
Sequence 45532, A
Sequence 10, Appl
Sequence 1164, Ap
Sequence 40955, A
Sequence 98000, A
Sequence 96899, A
Sequence 666, App
Sequence 96898, A
Sequence 53516, A
Sequence 20, Appl
Sequence 6, Appl
Sequence 16, Appl
Sequence 87802, A
Sequence 56575, A
Sequence 87801, A
Sequence 87800, A
Sequence 59, Appl
Sequence 8, Appl
Sequence 9, Appl
Sequence 55, Appl
Sequence 58, Appl
Sequence 3, Appl
Sequence 4, Appl
Sequence 38489, A
Sequence 1170, Ap
Sequence 2, Appl
Sequence 28, Appl
Sequence 4396, Ap
Sequence 43855, A
Sequence 53580, A
Sequence 41054, A
Sequence 10073, A
Sequence 54, Appl
Sequence 73461, A
Sequence 84191, A

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107	99.5	4.7	842	7	US-11-056-355B-84189	Sequence 84189, A	180	95	4.5	1703	7	US-11-056-355B-86481	Sequence 86481, A
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110	99	4.7	602	6	US-10-471-571A-4872	Sequence 4872, Ap	183	94.5	4.5	369	7	US-11-330-403-14032	Sequence 14032, A
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112	98.5	4.7	565	6	US-10-564-458-11	Sequence 11, Appl	185	94.5	4.5	644	6	US-10-564-458-106	Sequence 106, App
113	98.5	4.7	565	6	US-10-564-458-18	Sequence 18, Appl	186	94.5	4.5	654	6	US-10-449-902-38169	Sequence 38169, A
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116	98.5	4.7	568	6	US-10-564-458-19	Sequence 19, Appl	189	94.5	4.5	788	7	US-11-293-697-4150	Sequence 4150, Ap
117	98.5	4.7	568	6	US-10-564-458-20	Sequence 20, Appl	190	94.5	4.5	814	7	US-11-056-355B-86489	Sequence 86489, A
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120	98.5	4.7	644	6	US-10-564-458-107	Sequence 107, App	193	94.5	4.5	1850	7	US-11-056-355B-40081	Sequence 40081, A
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123	98	4.6	437	7	US-11-056-355B-83449	Sequence 83449, A	196	94.5	4.5	1859	7	US-11-056-355B-47196	Sequence 47196, A
124	98	4.6	443	7	US-11-056-355B-87832	Sequence 87832, A	197	94.5	4.5	1916	7	US-11-056-355B-40079	Sequence 40079, A
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134	97.5	4.6	349	6	US-10-449-902-39973	Sequence 39973, A	207	94	4.5	857	7	US-11-056-355B-70345	Sequence 70345, A
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136	97.5	4.6	651	6	US-10-953-348-8126	Sequence 8126, Ap	209	94	4.5	931	7	US-11-056-355B-70344	Sequence 70344, A
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138	97.5	4.6	1001	6	US-10-449-902-41315	Sequence 41315, A	211	94	4.5	1076	7	US-11-056-355B-70343	Sequence 70343, A
139	97.5	4.6	1082	6	US-10-449-902-41315	Sequence 41315, A	212	94	4.5	1287	6	US-10-505-928-341	Sequence 341, App
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141	97	4.6	518	7	US-11-174-307B-3038	Sequence 3038, Ap	214	93.5	4.4	511	7	US-11-056-355B-71449	Sequence 71449, A
142	97	4.6	520	6	US-10-449-902-45088	Sequence 45088, A	215	93.5	4.4	517	6	US-10-449-902-40639	Sequence 40639, A
143	97	4.6	570	7	US-11-056-355B-71448	Sequence 71448, A	216	93.5	4.4	768	6	US-10-540-898-959	Sequence 959, App
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146	96.5	4.6	393	7	US-11-056-355B-98647	Sequence 98647, A	219	93.5	4.4	2301	7	US-11-056-355B-70521	Sequence 70521, A
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157	95.5	4.5	591	6	US-10-505-928-632	Sequence 632, App	230	93	4.4	775	7	US-11-293-697-2844	Sequence 2844, Ap
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160	95.5	4.5	775	7	US-11-043-824-334	Sequence 334, App	233	92.5	4.4	396	7	US-11-056-355B-73700	Sequence 73700, A
161	95.5	4.5	908	7	US-11-056-355B-82278	Sequence 82278, A	234	92.5	4.4	408	6	US-10-540-898-3	Sequence 3, Appl
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163	95.5	4.5	1024	7	US-11-056-355B-82276	Sequence 82276, A	236	92.5	4.4	413	7	US-11-056-355B-56969	Sequence 56969, A
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165	95.5	4.5	1775	7	US-11-043-824-333	Sequence 333, App	238	92.5	4.4	423	7	US-11-056-355B-73699	Sequence 73699, A
166	95.5	4.5	1788	7	US-11-043-824-329	Sequence 329, App	239	92.5	4.4	456	6	US-10-953-349-24692	Sequence 24692, A
167	95.5	4.5	1847	7	US-11-043-824-332	Sequence 332, App	240	92.5	4.4	466	7	US-11-056-355B-56968	Sequence 56968, A
168	95.5	4.5	1904	7	US-11-043-824-336	Sequence 336, App	241	92.5	4.4	615	7	US-11-056-355B-56967	Sequence 56967, A
169	95.5	4.5	1939	7	US-11-043-824-338	Sequence 338, App	242	92.5	4.4	629	7	US-11-056-355B-73698	Sequence 73698, A
170	95.5	4.5	1939	7	US-11-043-824-339	Sequence 339, App	243	92.5	4.4	631	6	US-10-449-902-38359	Sequence 38359, A
171	95.5	4.5	1939	7	US-11-043-824-340	Sequence 340, App	244	92.5	4.4	656	6	US-10-449-902-37690	Sequence 37690, A
172	95.5	4.5	1939	7	US-11-043-824-341	Sequence 341, App	245	92.5	4.4	726	7	US-11-334-351-2	Sequence 2, Appl
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248	92	4.4	448	6	US-10-953-349-13522	Sequence 13522, A	321	89.5	4.2	243	7	US-11-056-355B-55150	Sequence 55150, A
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253	92	4.4	624	7	US-11-056-355B-72311	Sequence 72311, A	326	89.5	4.2	731	6	US-10-539-228-325	Sequence 325, App
254	92	4.4	628	7	US-11-056-355B-72310	Sequence 72310, A	327	89.5	4.2	777	6	US-10-953-349-6186	Sequence 6186, Ap
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273	91.5	4.3	877	7	US-11-056-355B-94537	Sequence 94537, A	346	89	4.2	878	7	US-11-056-355B-101567	Sequence 101567, A
274	91.5	4.3	915	7	US-11-056-355B-90780	Sequence 90780, A	347	89	4.2	878	7	US-11-056-355B-112806	Sequence 112806, A
275	91.5	4.3	915	7	US-11-056-355B-94536	Sequence 94536, A	348	89	4.2	903	7	US-11-056-355B-44316	Sequence 44316, A
276	91.5	4.3	956	7	US-11-293-697-3037	Sequence 3037, Ap	349	89	4.2	903	7	US-11-056-355B-50342	Sequence 50342, A
277	91.5	4.3	1058	7	US-11-056-355B-90779	Sequence 90779, A	350	89	4.2	903	7	US-11-056-355B-101566	Sequence 101566, A
278	91.5	4.3	1058	7	US-11-056-355B-94535	Sequence 94535, A	351	89	4.2	903	7	US-11-056-355B-112805	Sequence 112805, A
279	91	4.3	777	7	US-11-056-355B-48219	Sequence 48219, A	352	89	4.2	934	7	US-11-056-355B-44315	Sequence 44315, A
280	91	4.3	790	7	US-11-056-355B-89281	Sequence 89281, A	353	89	4.2	934	7	US-11-056-355B-50341	Sequence 50341, A
281	91	4.3	790	7	US-11-056-355B-92985	Sequence 92985, A	354	89	4.2	934	7	US-11-056-355B-101565	Sequence 101565, A
282	91	4.3	1146	6	US-10-471-571A-4478	Sequence 4478, Ap	355	89	4.2	934	7	US-11-056-355B-112804	Sequence 112804, A
283	91	4.3	1202	6	US-10-540-998-193	Sequence 193, App	356	88.5	4.2	242	7	US-11-056-355B-30422	Sequence 30422, A
284	90.5	4.3	202	7	US-11-056-355B-35753	Sequence 35753, A	357	88.5	4.2	242	7	US-11-056-355B-34012	Sequence 34012, A
285	90.5	4.3	202	7	US-11-056-355B-100014	Sequence 100014, A	358	88.5	4.2	242	7	US-11-056-355B-102553	Sequence 102553, A
286	90.5	4.3	202	7	US-11-056-355B-111253	Sequence 111253, A	359	88.5	4.2	242	7	US-11-056-355B-113792	Sequence 113792, A
287	90.5	4.3	292	6	US-10-449-902-37037	Sequence 37037, A	360	88.5	4.2	288	6	US-10-917-844-21	Sequence 21, Appl
288	90.5	4.3	414	6	US-10-449-902-38632	Sequence 38632, A	361	88.5	4.2	304	6	US-10-449-902-43439	Sequence 43439, A
289	90.5	4.3	434	7	US-11-056-355B-45406	Sequence 45406, A	362	88.5	4.2	315	6	US-10-953-349-9896	Sequence 9896, Ap
290	90.5	4.3	434	7	US-11-056-355B-48827	Sequence 48827, A	363	88.5	4.2	350	6	US-10-953-349-9895	Sequence 9895, Ap
291	90.5	4.3	465	7	US-11-056-355B-45405	Sequence 45405, A	364	88.5	4.2	365	7	US-11-056-355B-30421	Sequence 30421, A
292	90.5	4.3	465	7	US-11-056-355B-48826	Sequence 48826, A	365	88.5	4.2	365	7	US-11-056-355B-34011	Sequence 34011, A
293	90.5	4.3	583	7	US-11-056-355B-45404	Sequence 45404, A	366	88.5	4.2	365	7	US-11-056-355B-102552	Sequence 102552, A
294	90.5	4.3	583	7	US-11-056-355B-48825	Sequence 48825, A	367	88.5	4.2	365	7	US-11-056-355B-113791	Sequence 113791, A
295	90.5	4.3	668	7	US-11-056-355B-74159	Sequence 74159, A	368	88.5	4.2	383	7	US-11-056-355B-30420	Sequence 30420, A
296	90.5	4.3	668	7	US-11-056-355B-88315	Sequence 88315, A	369	88.5	4.2	383	7	US-11-056-355B-34010	Sequence 34010, A
297	90.5	4.3	668	7	US-11-056-355B-92071	Sequence 92071, A	370	88.5	4.2	383	7	US-11-056-355B-102551	Sequence 102551, A
298	90.5	4.3	709	7	US-11-056-355B-74158	Sequence 74158, A	371	88.5	4.2	383	7	US-11-056-355B-113790	Sequence 113790, A
299	90.5	4.3	719	7	US-11-056-355B-88314	Sequence 88314, A	372	88.5	4.2	400	7	US-11-293-697-2494	Sequence 2494, Ap
300	90.5	4.3	719	7	US-11-056-355B-92070	Sequence 92070, A	373	88.5	4.2	408	7	US-11-330-403-4486	Sequence 4486, Ap
301	90.5	4.3	822	7	US-11-056-355B-74157	Sequence 74157, A	374	88.5	4.2	471	6	US-10-953-349-19938	Sequence 19938, A
302	90.5	4.3	832	7	US-11-056-355B-88313	Sequence 88313, A	375	88.5	4.2	481	6	US-10-953-349-24508	Sequence 24508, A
303	90.5	4.3	832	7	US-11-056-355B-92069	Sequence 92069, A	376	88.5	4.2	487	6	US-10-953-349-19937	Sequence 19937, A
304	90.5	4.3	1076	7	US-11-056-355B-82339	Sequence 82339, A	377	88.5	4.2	487	6	US-10-953-349-19936	Sequence 19936, A
305	90.5	4.3	1100	7	US-11-056-355B-82338	Sequence 82338, A	378	88.5	4.2	539	6	US-10-953-349-24507	Sequence 24507, A
306	90.5	4.3	1111	7	US-11-056-355B-82337	Sequence 82337, A	379	88.5	4.2	640	6	US-10-953-349-24506	Sequence 24506, A
307	90.5	4.3	1147	6	US-10-540-998-190	Sequence 190, App	380	88.5	4.2	1003	6	US-10-471-571A-4876	Sequence 4876, Ap
308	90	4.3	202	7	US-11-293-697-2936	Sequence 2936, Ap	381	88.5	4.2	1013	7	US-11-056-355B-44874	Sequence 44874, A
309	90	4.3	345	6	US-10-953-349-18626	Sequence 18626, A	382	88.5	4.2	1013	7	US-11-056-355B-49591	Sequence 49591, A
310	90	4.3	421	6	US-10-471-571A-2670	Sequence 2670, Ap	383	88.5	4.2	1029	7	US-11-056-355B-44873	Sequence 44873, A
311	90	4.3	436	6	US-10-449-902-54426	Sequence 54426, A	384	88.5	4.2	1029	7	US-11-056-355B-49590	Sequence 49590, A
312	90	4.3	439	7	US-11-056-355B-101138	Sequence 101138, A	385	88.5	4.2	1029	7	US-11-056-355B-44872	Sequence 44872, A
313	90	4.3	439	7	US-11-056-355B-112377	Sequence 112377, A	386	88.5	4.2	1037	7	US-11-056-355B-49589	Sequence 49589, A
314	90	4.3	655	7	US-11-056-355B-87523	Sequence 87523, A	387	88.5	4.2	1037	7	US-11-056-355B-73017	Sequence 73017, A
315	90	4.3	685	7	US-11-056-355B-87522	Sequence 87522, A	388	88.5	4.2	1055	7	US-11-056-355B-73016	Sequence 73016, A
316	90	4.3	750	6	US-10-953-349-4219	Sequence 4219, Ap	389	88.5	4.2	1063	7	US-11-056-355B-73015	Sequence 73015, A
317	90	4.3	755	6	US-10-953-349-4218	Sequence 4218, Ap	390	88.5	4.2	1143	6	US-10-630-629-1	Sequence 1, Appl
318	90	4.3	764	6	US-10-953-349-4217	Sequence 4217, Ap	391	88	4.2	317	6	US-10-953-349-25712	Sequence 25712, A
319	90	4.3	913	6	US-10-449-902-53721	Sequence 53721, A	392	88	4.2	341	6	US-10-953-349-25711	Sequence 25711, A
320	90	4.3	1674	6	US-10-511-937-2587	Sequence 2587, Ap	393	88	4.2	377	6	US-10-953-349-20587	Sequence 20587, A

394	88	4.2	384	7	US-11-056-355B-73361	Sequence 73361, A	467	86.5	4.1	288	6	US-10-917-844-23	Sequence 23, Appl
395	88	4.2	426	7	US-11-056-355B-5803	Sequence 5803, Ap	468	86.5	4.1	311	6	US-10-953-349-17061	Sequence 17061, A
396	88	4.2	426	7	US-11-056-355B-30686	Sequence 30686, A	469	86.5	4.1	394	7	US-11-293-697-2538	Sequence 2538, Ap
397	88	4.2	426	7	US-11-056-355B-34276	Sequence 34276, A	470	86.5	4.1	472	7	US-11-330-403-7454	Sequence 7454, Ap
398	88	4.2	426	7	US-11-056-355B-77848	Sequence 77848, A	471	86.5	4.1	473	7	US-11-330-403-15105	Sequence 15105, A
399	88	4.2	426	7	US-11-056-355B-100114	Sequence 100114, A	472	86.5	4.1	515	6	US-10-953-349-17060	Sequence 17060, A
400	88	4.2	426	7	US-11-056-355B-111353	Sequence 111353, A	473	86.5	4.1	519	6	US-10-374-780A-1496	Sequence 1496, Ap
401	88	4.2	429	7	US-11-056-355B-5802	Sequence 5802, Ap	474	86.5	4.1	521	7	US-11-056-355B-87524	Sequence 87524, A
402	88	4.2	437	6	US-10-953-349-20586	Sequence 20586, A	475	86.5	4.1	524	7	US-11-330-403-10434	Sequence 10434, A
403	88	4.2	523	7	US-11-056-355B-30685	Sequence 30685, A	476	86.5	4.1	541	6	US-10-953-349-17059	Sequence 17059, A
404	88	4.2	523	7	US-11-056-355B-34275	Sequence 34275, A	477	86.5	4.1	573	6	US-10-449-902-43629	Sequence 43629, A
405	88	4.2	523	7	US-11-056-355B-77847	Sequence 77847, A	478	86.5	4.1	577	7	US-11-056-355B-106476	Sequence 106476, A
406	88	4.2	523	7	US-11-056-355B-100113	Sequence 100113, A	479	86.5	4.1	577	7	US-11-056-355B-117715	Sequence 117715, A
407	88	4.2	523	7	US-11-056-355B-111352	Sequence 111352, A	480	86.5	4.1	635	7	US-11-056-355B-99465	Sequence 99465, A
408	88	4.2	523	7	US-11-056-355B-77846	Sequence 77846, A	481	86.5	4.1	635	7	US-11-056-355B-106475	Sequence 106475, A
409	88	4.2	530	6	US-10-953-349-20585	Sequence 20585, A	482	86.5	4.1	635	7	US-11-056-355B-110704	Sequence 110704, A
410	88	4.2	566	6	US-10-564-458-63	Sequence 63, Appl	483	86.5	4.1	635	7	US-11-056-355B-117714	Sequence 117714, A
411	88	4.2	578	7	US-11-056-355B-70047	Sequence 70047, A	484	86.5	4.1	639	7	US-11-056-355B-99464	Sequence 99464, A
412	88	4.2	594	7	US-11-056-355B-70046	Sequence 70046, A	485	86.5	4.1	639	7	US-11-056-355B-110703	Sequence 110703, A
413	88	4.2	714	7	US-11-056-355B-70045	Sequence 70045, A	486	86.5	4.1	643	7	US-11-261-390-13	Sequence 13, Appl
414	88	4.2	795	7	US-11-056-355B-82532	Sequence 82532, A	487	86.5	4.1	649	7	US-11-056-355B-99463	Sequence 99463, A
415	88	4.2	872	6	US-10-471-571A-6574	Sequence 6574, Ap	488	86.5	4.1	649	7	US-11-056-355B-106474	Sequence 106474, A
416	88	4.2	912	7	US-11-056-355B-82531	Sequence 82531, A	489	86.5	4.1	649	7	US-11-056-355B-110702	Sequence 110702, A
417	88	4.2	1711	7	US-11-121-133-219	Sequence 219, App	490	86.5	4.1	649	7	US-11-056-355B-117713	Sequence 117713, A
418	88	4.2	1711	7	US-11-121-133-220	Sequence 220, App	491	86.5	4.1	880	6	US-10-449-902-56394	Sequence 56394, A
419	87.5	4.1	250	7	US-11-330-403-5523	Sequence 5523, Ap	492	86.5	4.1	968	7	US-11-056-355B-87059	Sequence 87059, A
420	87.5	4.1	290	6	US-10-449-902-54864	Sequence 54864, A	493	86.5	4.1	995	6	US-10-528-563-8	Sequence 8, Appl
421	87.5	4.1	326	6	US-10-953-349-22868	Sequence 22868, A	494	86.5	4.1	1003	7	US-11-056-355B-87058	Sequence 87058, A
422	87.5	4.1	330	7	US-11-056-355B-44236	Sequence 44236, A	495	86.5	4.1	1055	7	US-11-056-355B-87057	Sequence 87057, A
423	87.5	4.1	379	7	US-11-056-355B-83118	Sequence 83118, A	496	86.5	4.1	1274	6	US-10-471-571A-898	Sequence 898, App
424	87.5	4.1	379	7	US-11-056-355B-108473	Sequence 108473, A	497	86.5	4.1	1809	6	US-10-559-415-190	Sequence 190, App
425	87.5	4.1	379	7	US-11-056-355B-119712	Sequence 119712, A	498	86.5	4.1	1919	6	US-10-559-415-2	Sequence 2, Appl
426	87.5	4.1	399	7	US-11-293-697-2891	Sequence 2891, Ap	499	86	4.1	451	6	US-10-471-571A-4544	Sequence 4544, Ap
427	87.5	4.1	401	7	US-11-056-355B-83117	Sequence 83117, A	500	86	4.1	460	7	US-11-056-355B-49003	Sequence 49003, A
428	87.5	4.1	401	7	US-11-056-355B-108472	Sequence 108472, A	501	86	4.1	503	6	US-10-449-902-35868	Sequence 35868, A
429	87.5	4.1	401	7	US-11-056-355B-119711	Sequence 119711, A	502	86	4.1	517	7	US-11-056-355B-46088	Sequence 46088, A
430	87.5	4.1	404	7	US-11-301-554-1932	Sequence 1932, Ap	503	86	4.1	517	7	US-11-317-789A-961	Sequence 961, App
431	87.5	4.1	431	7	US-11-056-355B-45382	Sequence 45382, A	504	86	4.1	527	7	US-11-056-355B-46087	Sequence 46087, A
432	87.5	4.1	435	7	US-11-251-208-202	Sequence 202, App	505	86	4.1	568	6	US-10-564-458-23	Sequence 23, Appl
433	87.5	4.1	445	7	US-11-056-355B-83977	Sequence 83977, A	506	86	4.1	568	6	US-10-564-458-24	Sequence 24, Appl
434	87.5	4.1	445	7	US-11-056-355B-45381	Sequence 45381, A	507	86	4.1	596	6	US-10-449-902-45371	Sequence 45371, A
435	87.5	4.1	445	7	US-11-056-355B-83976	Sequence 83976, A	508	86	4.1	664	6	US-10-471-571A-958	Sequence 958, App
436	87.5	4.1	464	7	US-11-301-554-1934	Sequence 1934, Ap	509	86	4.1	763	6	US-10-486-020-24	Sequence 24, Appl
437	87.5	4.1	466	7	US-11-293-697-4043	Sequence 4043, Ap	510	86	4.1	773	6	US-10-449-902-47508	Sequence 47508, A
438	87.5	4.1	498	6	US-10-449-902-49206	Sequence 49206, A	511	86	4.1	773	6	US-10-449-902-50986	Sequence 50986, A
439	87.5	4.1	498	6	US-10-449-902-49821	Sequence 49821, A	512	86	4.1	873	6	US-10-449-902-53456	Sequence 53456, A
440	87.5	4.1	505	6	US-10-471-571A-904	Sequence 904, App	513	86	4.1	908	6	US-10-449-902-52153	Sequence 52153, A
441	87.5	4.1	510	7	US-11-056-355B-45380	Sequence 45380, A	514	86	4.1	945	7	US-11-056-355B-48993	Sequence 48993, A
442	87.5	4.1	514	7	US-11-056-355B-83975	Sequence 83975, A	515	86	4.1	971	6	US-10-528-563-7	Sequence 7, Appl
443	87.5	4.1	576	6	US-10-564-458-21	Sequence 21, Appl	516	86	4.1	994	7	US-11-056-355B-48831	Sequence 48831, A
444	87.5	4.1	629	7	US-11-056-355B-85956	Sequence 85956, A	517	86	4.1	997	7	US-11-056-355B-48992	Sequence 48992, A
445	87.5	4.1	642	6	US-10-505-928-259	Sequence 259, App	518	86	4.1	1013	7	US-11-056-355B-48830	Sequence 48830, A
446	87.5	4.1	648	7	US-11-056-355B-71274	Sequence 71274, A	519	86	4.1	1058	7	US-11-056-355B-48991	Sequence 48991, A
447	87.5	4.1	876	6	US-10-471-571A-5500	Sequence 5500, Ap	520	86	4.1	1068	7	US-11-056-355B-48829	Sequence 48829, A
448	87.5	4.1	916	7	US-11-238-031-22	Sequence 22, Appl	521	86	4.1	1753	6	US-10-504-973-30	Sequence 30, Appl
449	87.5	4.1	916	7	US-11-238-031-114	Sequence 114, App	522	86	4.1	2124	7	US-11-283-329-160	Sequence 160, App
450	87.5	4.1	1315	6	US-10-527-411-141	Sequence 141, App	523	86	4.1	2186	6	US-10-471-571A-860	Sequence 860, App
451	87	4.1	370	6	US-10-449-902-34608	Sequence 34608, A	524	85.5	4.1	349	7	US-11-317-789A-753	Sequence 753, App
452	87	4.1	383	7	US-11-293-697-3206	Sequence 3206, Ap	525	85.5	4.1	384	7	US-11-056-355B-30587	Sequence 30587, A
453	87	4.1	388	7	US-11-056-355B-98872	Sequence 98872, A	526	85.5	4.1	384	7	US-11-056-355B-34277	Sequence 34277, A
454	87	4.1	388	7	US-11-056-355B-110111	Sequence 110111, A	527	85.5	4.1	384	7	US-11-056-355B-100115	Sequence 100115, A
455	87	4.1	402	7	US-11-056-355B-82558	Sequence 82558, A	528	85.5	4.1	384	6	US-11-056-355B-111354	Sequence 111354, A
456	87	4.1	425	7	US-11-056-355B-82557	Sequence 82557, A	529	85.5	4.1	394	7	US-10-953-349-23185	Sequence 23185, A
457	87	4.1	436	7	US-11-056-355B-98871	Sequence 98871, A	530	85.5	4.1	394	7	US-11-056-355B-59466	Sequence 59466, A
458	87	4.1	436	7	US-11-056-355B-110110	Sequence 110110, A	531	85.5	4.1	406	7	US-11-056-355B-87323	Sequence 87323, A
459	87	4.1	566	7	US-11-289-103-234	Sequence 234, App	532	85.5	4.1	409	6	US-10-953-349-23184	Sequence 23184, A
460	87	4.1	583	7	US-11-056-355B-82556	Sequence 82556, A	533	85.5	4.1	409	7	US-11-056-355B-59465	Sequence 59465, A
461	87	4.1	583	7	US-11-330-403-4338	Sequence 4338, Ap	534	85.5	4.1	420	6	US-10-449-902-44525	Sequence 44525, A
462	87	4.1	585	7	US-11-330-403-14816	Sequence 14816, A	535	85.5	4.1	455	6	US-10-449-902-56662	Sequence 56662, A
463	87	4.1	591	6	US-10-449-902-52109	Sequence 52109, A	536	85.5	4.1	479	7	US-11-056-355B-71304	Sequence 71304, A
464	87	4.1	631	6	US-10-644-084-4	Sequence 4, Appl	537	85.5	4.1	481	7	US-11-056-355B-71303	Sequence 71303, A
465	87	4.1	659	7	US-11-105-233-48	Sequence 48, Appl	538	85.5	4.1	485	7	US-11-056-355B-87322	Sequence 87322, A
466	87	4.1	660	6	US-10-449-902-55721	Sequence 55721, A	539	85.5	4.1	487	7	US-11-395-249-112	Sequence 112, App

540	85.5	4.1	512	7	US-11-293-697-4080	Sequence 4080, Ap	613	84.5	4.0	423	6	US-10-953-349-22311	Sequence 22311, A
541	85.5	4.1	572	6	US-10-564-458-61	Sequence 61, Appl	614	84.5	4.0	436	6	US-10-471-571A-5206	Sequence 5206, Ap
542	85.5	4.1	575	7	US-11-056-355B-85957	Sequence 85957, A	615	84.5	4.0	442	6	US-10-505-928-525	Sequence 525, App
543	85.5	4.1	594	7	US-11-056-355B-71375	Sequence 71275, A	616	84.5	4.0	467	7	US-11-056-355B-45939	Sequence 45939, A
544	85.5	4.1	599	7	US-11-293-697-2469	Sequence 2469, Ap	617	84.5	4.0	467	7	US-11-056-355B-97247	Sequence 97247, A
545	85.5	4.1	637	6	US-10-471-571A-3918	Sequence 3918, Ap	618	84.5	4.0	487	6	US-10-953-349-22310	Sequence 22310, A
546	85.5	4.1	643	6	US-10-449-902-44398	Sequence 44398, A	619	84.5	4.0	495	6	US-11-056-355B-97246	Sequence 97246, A
547	85.5	4.1	699	7	US-11-056-355B-48220	Sequence 48220, A	620	84.5	4.0	512	7	US-11-056-355B-97245	Sequence 97245, A
548	85.5	4.1	699	7	US-11-056-355B-89226	Sequence 89226, A	621	84.5	4.0	568	6	US-10-564-458-26	Sequence 26, Appl
549	85.5	4.1	699	7	US-11-056-355B-92982	Sequence 92982, A	622	84.5	4.0	569	6	US-10-953-349-37908	Sequence 37908, A
550	85.5	4.1	741	7	US-11-056-355B-80995	Sequence 80995, A	623	84.5	4.0	576	6	US-10-953-349-32301	Sequence 32301, A
551	85.5	4.1	745	7	US-11-056-355B-80394	Sequence 80394, A	624	84.5	4.0	576	6	US-10-449-902-42788	Sequence 42788, A
552	85.5	4.1	863	7	US-11-056-355B-83328	Sequence 83328, A	625	84.5	4.0	610	6	US-11-056-355B-66022	Sequence 66022, A
553	85.5	4.1	865	7	US-11-056-355B-83327	Sequence 83327, A	626	84.5	4.0	652	7	US-11-293-697-3192	Sequence 3192, Ap
554	85.5	4.1	870	7	US-11-056-355B-89226	Sequence 89226, A	627	84.5	4.0	678	6	US-10-449-902-35529	Sequence 35529, A
555	85.5	4.1	891	6	US-10-449-902-47174	Sequence 47174, A	628	84.5	4.0	689	6	US-10-953-349-32300	Sequence 32300, A
556	85.5	4.1	949	7	US-11-056-355B-46517	Sequence 46517, A	629	84.5	4.0	689	6	US-11-056-355B-66021	Sequence 66021, A
557	85.5	4.1	950	7	US-11-293-697-4492	Sequence 4492, Ap	630	84.5	4.0	745	6	US-10-953-349-32399	Sequence 32399, A
558	85.5	4.1	978	7	US-11-330-403-1051	Sequence 1051, Ap	631	84.5	4.0	745	7	US-11-056-355B-66020	Sequence 66020, A
559	85.5	4.1	1009	6	US-10-471-571A-2402	Sequence 2402, Ap	632	84.5	4.0	788	7	US-11-056-355B-90082	Sequence 90082, A
560	85.5	4.1	1034	7	US-11-056-355B-80829	Sequence 80829, A	633	84.5	4.0	788	7	US-11-056-355B-93838	Sequence 93838, A
561	85.5	4.1	1046	7	US-11-056-355B-80828	Sequence 80828, A	634	84.5	4.0	819	7	US-11-056-355B-90081	Sequence 90081, A
562	85.5	4.1	1056	7	US-11-056-355B-46516	Sequence 46516, A	635	84.5	4.0	819	7	US-11-056-355B-93837	Sequence 93837, A
563	85.5	4.1	1056	7	US-11-056-355B-80827	Sequence 80827, A	636	84.5	4.0	853	7	US-11-056-355B-71219	Sequence 71219, A
564	85.5	4.1	2133	6	US-10-537-642-9	Sequence 9, Appl	637	84.5	4.0	872	7	US-11-056-355B-89881	Sequence 89881, A
565	85	4.0	278	7	US-11-056-355B-44237	Sequence 44237, A	638	84.5	4.0	872	7	US-11-056-355B-93637	Sequence 93637, A
566	85	4.0	306	7	US-11-256-173-27	Sequence 27, Appl	639	84.5	4.0	893	7	US-11-056-355B-93880	Sequence 93880, A
567	85	4.0	332	7	US-11-056-355B-25032	Sequence 25032, A	640	84.5	4.0	893	7	US-11-056-355B-93636	Sequence 93636, A
568	85	4.0	372	6	US-10-953-349-23186	Sequence 23186, A	641	84.5	4.0	926	7	US-11-056-355B-71218	Sequence 71218, A
569	85	4.0	372	7	US-11-056-355B-59467	Sequence 59467, A	642	84.5	4.0	1030	7	US-11-056-355B-89879	Sequence 89879, A
570	85	4.0	377	6	US-10-449-902-35844	Sequence 35844, A	643	84.5	4.0	1030	7	US-11-056-355B-93635	Sequence 93635, A
571	85	4.0	415	7	US-11-056-355B-80760	Sequence 80760, A	644	84.5	4.0	1056	6	US-10-449-902-41234	Sequence 41234, A
572	85	4.0	423	7	US-11-056-355B-5548	Sequence 5548, Ap	645	84.5	4.0	1056	6	US-10-449-902-46760	Sequence 46760, A
573	85	4.0	423	7	US-11-056-355B-80759	Sequence 80759, A	646	84	4.0	303	7	US-11-056-355B-83119	Sequence 83119, A
574	85	4.0	429	6	US-10-953-349-19514	Sequence 19514, A	647	84	4.0	303	7	US-11-056-355B-108474	Sequence 108474, A
575	85	4.0	439	6	US-11-056-355B-5547	Sequence 5547, Ap	648	84	4.0	303	7	US-11-056-355B-119713	Sequence 119713, A
576	85	4.0	487	6	US-10-953-349-19513	Sequence 19513, A	649	84	4.0	399	6	US-10-374-780A-194	Sequence 194, App
577	85	4.0	523	7	US-11-056-355B-70187	Sequence 70187, A	650	84	4.0	424	6	US-10-953-349-8127	Sequence 8127, Ap
578	85	4.0	539	7	US-11-056-355B-70186	Sequence 70186, A	651	84	4.0	447	7	US-11-301-457-8	Sequence 8, Appl
579	85	4.0	551	7	US-11-056-355B-80758	Sequence 80758, A	652	84	4.0	464	7	US-11-157-741-2	Sequence 2, Appl
580	85	4.0	576	6	US-10-564-458-60	Sequence 60, Appl	653	84	4.0	563	6	US-10-449-902-34669	Sequence 34669, A
581	85	4.0	597	6	US-10-449-902-34844	Sequence 34844, A	654	84	4.0	572	6	US-10-564-458-62	Sequence 62, Appl
582	85	4.0	657	7	US-11-056-355B-70185	Sequence 70185, A	655	84	4.0	576	6	US-10-564-458-62	Sequence 62, Appl
583	85	4.0	750	7	US-11-056-355B-17323	Sequence 17323, A	656	84	4.0	576	6	US-10-564-458-22	Sequence 22, Appl
584	85	4.0	802	7	US-11-056-355B-17322	Sequence 17322, A	657	84	4.0	595	7	US-11-293-697-4475	Sequence 4475, Ap
585	85	4.0	823	7	US-11-056-355B-17321	Sequence 17321, A	658	84	4.0	639	6	US-10-449-902-38079	Sequence 38079, A
586	85	4.0	923	7	US-11-293-697-3314	Sequence 3314, Ap	659	84	4.0	642	6	US-10-449-902-51127	Sequence 51127, A
587	85	4.0	991	7	US-11-165-586-62	Sequence 62, Appl	660	84	4.0	653	6	US-10-953-349-37295	Sequence 37295, A
588	85	4.0	1148	7	US-11-056-355B-106680	Sequence 106680, A	661	84	4.0	686	6	US-10-471-571A-4980	Sequence 4980, Ap
589	85	4.0	1148	7	US-11-056-355B-117919	Sequence 117919, A	662	84	4.0	698	6	US-10-953-349-37294	Sequence 37294, A
590	85	4.0	1149	7	US-11-056-355B-103126	Sequence 103126, A	663	84	4.0	718	6	US-10-953-349-5399	Sequence 5399, Ap
591	85	4.0	1149	7	US-11-056-355B-114365	Sequence 114365, A	664	84	4.0	732	6	US-10-953-349-37293	Sequence 37293, A
592	85	4.0	1180	7	US-11-056-355B-106679	Sequence 106679, A	665	84	4.0	732	6	US-10-953-349-5388	Sequence 5388, Ap
593	85	4.0	1180	7	US-11-056-355B-117918	Sequence 117918, A	666	84	4.0	763	6	US-10-953-349-5387	Sequence 5387, Ap
594	85	4.0	1181	7	US-11-056-355B-103125	Sequence 103125, A	667	84	4.0	769	6	US-10-449-902-46366	Sequence 46366, A
595	85	4.0	1181	7	US-11-056-355B-114364	Sequence 114364, A	668	84	4.0	796	7	US-11-266-446-36	Sequence 36, Appl
596	85	4.0	1182	7	US-11-056-355B-77768	Sequence 77768, A	669	84	4.0	838	7	US-11-338-847-8	Sequence 8, Appl
597	85	4.0	1259	7	US-11-056-355B-106678	Sequence 106678, A	670	84	4.0	999	7	US-11-056-355B-86030	Sequence 86030, A
598	85	4.0	1259	7	US-11-056-355B-117917	Sequence 117917, A	671	84	4.0	1019	7	US-11-056-355B-86029	Sequence 86029, A
599	85	4.0	1260	7	US-11-056-355B-103124	Sequence 103124, A	672	84	4.0	1120	6	US-10-505-928-213	Sequence 213, App
600	85	4.0	1260	7	US-11-056-355B-114363	Sequence 114363, A	673	84	4.0	1196	7	US-11-056-355B-86028	Sequence 86028, A
601	85	4.0	1261	7	US-11-056-355B-77767	Sequence 77767, A	674	84	4.0	1260	7	US-11-056-355B-89828	Sequence 89828, A
602	85	4.0	1277	7	US-11-056-355B-77766	Sequence 77766, A	675	84	4.0	1260	7	US-11-056-355B-93584	Sequence 93584, A
603	84.5	4.0	158	7	US-11-056-355B-74194	Sequence 74194, A	676	84	4.0	1317	7	US-11-056-355B-89827	Sequence 89827, A
604	84.5	4.0	202	6	US-10-953-349-37812	Sequence 37812, A	677	84	4.0	1317	7	US-11-056-355B-93583	Sequence 93583, A
605	84.5	4.0	222	7	US-11-056-355B-16876	Sequence 16876, A	678	84	4.0	1348	7	US-11-056-355B-89826	Sequence 89826, A
606	84.5	4.0	242	6	US-10-953-349-37811	Sequence 37811, A	679	84	4.0	1348	7	US-11-056-355B-93582	Sequence 93582, A
607	84.5	4.0	255	7	US-11-056-355B-16875	Sequence 16875, A	680	84	4.0	1563	6	US-10-505-928-227	Sequence 227, App
608	84.5	4.0	280	7	US-11-056-355B-73362	Sequence 73362, A	681	84	4.0	1755	7	US-11-056-355B-85720	Sequence 85720, A
609	84.5	4.0	282	7	US-11-251-208-71	Sequence 71, Appl	682	84	4.0	1812	7	US-11-056-355B-85719	Sequence 85719, A
610	84.5	4.0	384	7	US-11-056-355B-45941	Sequence 45941, A	683	84	4.0	1843	7	US-11-056-355B-85718	Sequence 85718, A
611	84.5	4.0	390	6	US-10-953-349-22312	Sequence 22312, A	684	83.5	4.0	220	7	US-10-953-349-52584	Sequence 25584, A
612	84.5	4.0	407	7	US-11-056-355B-45940	Sequence 45940, A	685	83.5	4.0	220	7	US-11-056-355B-695151	Sequence 695151, A

686	83.5	4.0	236	6	US-10-953-349-21026	Sequence 21026, A	759	83	3.9	597	7	US-11-056-355B-58337	Sequence 58337, A
687	83.5	4.0	253	6	US-10-449-902-40153	Sequence 40153, A	760	83	3.9	599	6	US-10-540-898-697	Sequence 697, App
688	83.5	4.0	327	7	US-11-056-355B-40827	Sequence 40827, A	761	83	3.9	605	7	US-11-056-355B-58336	Sequence 58336, A
689	83.5	4.0	370	7	US-11-056-355B-43106	Sequence 43106, A	762	83	3.9	620	7	US-11-056-355B-58335	Sequence 58335, A
690	83.5	4.0	375	6	US-10-953-349-15711	Sequence 15711, A	763	83	3.9	655	7	US-11-265-052-2	Sequence 2, Appl
691	83.5	4.0	379	7	US-11-056-355B-43105	Sequence 43105, A	764	83	3.9	655	7	US-11-265-052-23	Sequence 23, Appl
692	83.5	4.0	398	7	US-11-056-355B-71867	Sequence 71867, A	765	83	3.9	655	7	US-11-265-065-2	Sequence 2, Appl
693	83.5	4.0	412	6	US-10-374-780A-2794	Sequence 2794, App	766	83	3.9	655	7	US-11-265-065-23	Sequence 23, Appl
694	83.5	4.0	425	6	US-11-056-355B-43104	Sequence 43104, A	767	83	3.9	667	7	US-11-293-697-4123	Sequence 4123, App
695	83.5	4.0	438	6	US-10-449-902-54070	Sequence 54070, A	768	83	3.9	751	7	US-11-330-403-2688	Sequence 2688, App
696	83.5	4.0	438	7	US-11-056-355B-71866	Sequence 71866, A	769	83	3.9	930	7	US-11-056-355B-88593	Sequence 88593, A
697	83.5	4.0	438	6	US-10-449-902-56138	Sequence 56138, A	770	83	3.9	930	7	US-11-056-355B-92349	Sequence 92349, A
698	83.5	4.0	454	7	US-11-289-102-269	Sequence 269, App	771	83	3.9	947	7	US-11-056-355B-89738	Sequence 89738, A
699	83.5	4.0	454	7	US-11-056-355B-77048	Sequence 77048, A	772	83	3.9	947	7	US-11-056-355B-93494	Sequence 93494, A
700	83.5	4.0	522	7	US-11-056-355B-77047	Sequence 77047, A	773	83	3.9	974	6	US-10-449-902-56191	Sequence 56191, A
701	83.5	4.0	539	7	US-11-056-355B-77046	Sequence 77046, A	774	83	3.9	977	6	US-10-449-902-55881	Sequence 55881, A
702	83.5	4.0	563	7	US-11-293-697-4323	Sequence 4323, App	775	83	3.9	1004	6	US-10-449-902-54247	Sequence 54247, A
703	83.5	4.0	743	6	US-10-471-571A-1044	Sequence 1044, App	776	83	3.9	1010	7	US-11-056-355B-88592	Sequence 88592, A
704	83.5	4.0	783	6	US-10-449-902-55443	Sequence 55443, A	777	83	3.9	1010	7	US-11-056-355B-92348	Sequence 92348, A
705	83.5	4.0	789	6	US-10-530-234-8	Sequence 8, Appl	778	83	3.9	1013	7	US-11-056-355B-88591	Sequence 88591, A
706	83.5	4.0	789	7	US-11-056-355B-79301	Sequence 79301, A	779	83	3.9	1013	7	US-11-056-355B-92347	Sequence 92347, A
707	83.5	4.0	790	6	US-10-449-902-42819	Sequence 42819, A	780	83	3.9	1027	7	US-11-056-355B-89737	Sequence 89737, A
708	83.5	4.0	799	7	US-11-056-355B-90152	Sequence 90152, A	781	83	3.9	1027	7	US-11-056-355B-93493	Sequence 93493, A
709	83.5	4.0	799	7	US-11-056-355B-93908	Sequence 93908, A	782	83	3.9	1030	7	US-11-056-355B-89736	Sequence 89736, A
710	83.5	4.0	806	6	US-10-539-228-458	Sequence 458, App	783	83	3.9	1030	7	US-11-056-355B-93492	Sequence 93492, A
711	83.5	4.0	810	7	US-11-056-355B-90151	Sequence 90151, A	784	83	3.9	1032	6	US-10-449-902-45139	Sequence 45139, A
712	83.5	4.0	815	7	US-11-056-355B-93907	Sequence 93907, A	785	83	3.9	1464	6	US-10-537-642-27	Sequence 27, Appl
713	83.5	4.0	815	7	US-11-056-355B-79300	Sequence 79300, A	786	82.5	3.9	284	6	US-10-505-928-447	Sequence 447, App
714	83.5	4.0	834	6	US-10-539-228-647	Sequence 647, App	787	82.5	3.9	305	7	US-11-056-355B-79466	Sequence 79466, A
715	83.5	4.0	893	7	US-11-056-355B-90150	Sequence 90150, A	788	82.5	3.9	384	7	US-11-056-355B-37441	Sequence 37441, A
716	83.5	4.0	893	7	US-11-056-355B-93906	Sequence 93906, A	789	82.5	3.9	305	7	US-11-056-355B-41529	Sequence 41529, A
717	83.5	4.0	955	7	US-11-056-355B-36910	Sequence 36910, A	790	82.5	3.9	305	7	US-11-056-355B-73054	Sequence 73054, A
718	83.5	4.0	995	7	US-11-056-355B-36909	Sequence 36909, A	791	82.5	3.9	316	7	US-11-056-355B-79465	Sequence 79465, A
719	83.5	4.0	1034	7	US-11-056-355B-36908	Sequence 36908, A	792	82.5	3.9	325	7	US-11-056-355B-79464	Sequence 79464, A
720	83.5	4.0	1341	7	US-11-220-785A-23	Sequence 23, Appl	793	82.5	3.9	335	7	US-11-056-355B-38931	Sequence 38931, A
721	83	3.9	250	7	US-11-056-355B-49915	Sequence 49915, A	794	82.5	3.9	335	7	US-11-056-355B-74458	Sequence 74458, A
722	83	3.9	250	7	US-11-056-355B-77087	Sequence 77087, A	795	82.5	3.9	366	7	US-11-056-355B-37440	Sequence 37440, A
723	83	3.9	250	7	US-11-056-355B-99344	Sequence 99344, A	796	82.5	3.9	367	7	US-11-056-355B-41528	Sequence 41528, A
724	83	3.9	250	7	US-11-056-355B-93100	Sequence 93100, A	797	82.5	3.9	367	7	US-11-056-355B-73053	Sequence 73053, A
725	83	3.9	258	6	US-10-449-902-50572	Sequence 50572, A	798	82.5	3.9	380	7	US-11-174-307B-4214	Sequence 4214, App
726	83	3.9	281	7	US-11-056-355B-49914	Sequence 49914, A	799	82.5	3.9	388	7	US-11-056-355B-37439	Sequence 37439, A
727	83	3.9	281	7	US-11-056-355B-77086	Sequence 77086, A	800	82.5	3.9	388	7	US-11-056-355B-73052	Sequence 73052, A
728	83	3.9	281	7	US-11-056-355B-99343	Sequence 99343, A	801	82.5	3.9	425	7	US-11-330-403-14683	Sequence 14683, A
729	83	3.9	281	7	US-11-056-355B-93099	Sequence 93099, A	802	82.5	3.9	463	6	US-10-953-349-37967	Sequence 37967, A
730	83	3.9	295	7	US-11-056-355B-36023	Sequence 36023, A	803	82.5	3.9	464	6	US-10-953-349-37966	Sequence 37966, A
731	83	3.9	300	7	US-11-056-355B-79628	Sequence 79628, A	804	82.5	3.9	480	6	US-10-953-349-37965	Sequence 37965, A
732	83	3.9	306	7	US-11-056-355B-79627	Sequence 79627, A	805	82.5	3.9	492	6	US-10-953-349-20693	Sequence 20693, A
733	83	3.9	343	6	US-10-953-349-21429	Sequence 21429, A	806	82.5	3.9	492	6	US-11-056-355B-59098	Sequence 59098, A
734	83	3.9	343	7	US-11-056-355B-53204	Sequence 53204, A	807	82.5	3.9	492	6	US-10-449-902-46104	Sequence 46104, A
735	83	3.9	346	6	US-10-953-349-17760	Sequence 17760, A	808	82.5	3.9	555	7	US-11-056-355B-13774	Sequence 13774, A
736	83	3.9	346	7	US-11-056-355B-54903	Sequence 54903, A	809	82.5	3.9	729	7	US-11-056-355B-90486	Sequence 90486, A
737	83	3.9	354	6	US-10-953-349-21428	Sequence 21428, A	810	82.5	3.9	729	7	US-11-056-355B-94242	Sequence 94242, A
738	83	3.9	354	7	US-11-056-355B-53203	Sequence 53203, A	811	82.5	3.9	752	7	US-11-293-697-3981	Sequence 3981, App
739	83	3.9	364	6	US-10-449-902-47177	Sequence 47177, A	812	82.5	3.9	765	7	US-11-056-355B-82533	Sequence 82533, A
740	83	3.9	371	6	US-10-953-349-21427	Sequence 21427, A	813	82.5	3.9	789	7	US-11-056-355B-90485	Sequence 90485, A
741	83	3.9	371	7	US-11-056-355B-53202	Sequence 53202, A	814	82.5	3.9	789	7	US-11-056-355B-94241	Sequence 94241, A
742	83	3.9	393	6	US-10-471-571A-4444	Sequence 4444, App	815	82.5	3.9	813	7	US-11-056-355B-90484	Sequence 90484, A
743	83	3.9	396	7	US-11-056-355B-49913	Sequence 49913, A	816	82.5	3.9	813	7	US-11-056-355B-94240	Sequence 94240, A
744	83	3.9	396	7	US-11-056-355B-77085	Sequence 77085, A	817	82.5	3.9	877	6	US-10-471-571A-362	Sequence 362, App
745	83	3.9	396	7	US-11-056-355B-99342	Sequence 99342, A	818	82.5	3.9	919	7	US-11-056-355B-80540	Sequence 80540, A
746	83	3.9	396	7	US-11-056-355B-93098	Sequence 93098, A	819	82.5	3.9	921	7	US-11-056-355B-80539	Sequence 80539, A
747	83	3.9	404	7	US-11-056-355B-66681	Sequence 66681, A	820	82.5	3.9	957	6	US-10-449-902-41249	Sequence 41249, A
748	83	3.9	411	7	US-11-056-355B-66680	Sequence 66680, A	821	82.5	3.9	961	7	US-11-293-697-3663	Sequence 3663, App
749	83	3.9	430	6	US-10-953-349-39528	Sequence 39528, A	822	82.5	3.9	974	6	US-10-953-349-37905	Sequence 37905, A
750	83	3.9	439	6	US-10-953-349-39527	Sequence 39527, A	823	82.5	3.9	974	6	US-10-540-898-944	Sequence 944, App
751	83	3.9	440	7	US-11-056-355B-93105	Sequence 93105, A	824	82.5	3.9	1038	7	US-11-289-102-270	Sequence 270, App
752	83	3.9	447	7	US-11-056-355B-66679	Sequence 66679, A	825	82.5	3.9	1055	6	US-10-953-349-37904	Sequence 37904, A
753	83	3.9	447	7	US-11-301-457-2	Sequence 2, Appl	826	82.5	3.9	1057	6	US-10-953-349-37903	Sequence 37903, A
754	83	3.9	498	6	US-10-449-902-54825	Sequence 54825, A	827	82.5	3.9	1196	6	US-10-449-902-56497	Sequence 56497, A
755	83	3.9	565	6	US-10-471-571A-1676	Sequence 1676, App	828	82.5	3.9	1252	6	US-10-449-902-55024	Sequence 55024, A
756	83	3.9	590	6	US-10-564-458-25	Sequence 25, Appl	829	82.5	3.9	1385	7	US-11-056-355B-87707	Sequence 87707, A
757	83	3.9	590	7	US-11-056-355B-71649	Sequence 71649, A	830	82.5	3.9	1466	7	US-11-056-355B-101110	Sequence 101110, A
758	83	3.9	592	7	US-11-056-355B-71648	Sequence 71648, A	831	82.5	3.9	1466	7	US-11-056-355B-112349	Sequence 112349, A

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833	82.5	3.9	1491	7	US-11-056-355B-112348	Sequence 112348,	906	81.5	3.9	661	6	US-10-449-902-42670	Sequence 42670, A
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836	82.5	3.9	1809	6	US-10-370-959-67	Sequence 67, Appl1	909	81.5	3.9	724	7	US-11-056-355B-77350	Sequence 77350, A
837	82	3.9	271	7	US-11-056-355B-38833	Sequence 38833, A	910	81.5	3.9	767	6	US-10-449-902-53326	Sequence 53326, A
838	82	3.9	271	7	US-11-056-355B-74460	Sequence 74460, A	911	81.5	3.9	770	7	US-11-192-437-5	Sequence 5, Appl1
839	82	3.9	306	7	US-11-056-355B-38832	Sequence 38832, A	912	81.5	3.9	1397	7	US-11-220-785A-32	Sequence 32, Appl1
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843	82	3.9	356	6	US-10-953-349-18424	Sequence 18424, A	916	81	3.8	207	7	US-11-056-355B-16877	Sequence 16877, A
844	82	3.9	356	6	US-11-056-355B-53660	Sequence 53660, A	917	81	3.8	414	6	US-10-471-571A-4790	Sequence 4790, Ap
845	82	3.9	360	6	US-10-953-349-18423	Sequence 18423, A	918	81	3.8	433	6	US-10-953-349-20989	Sequence 20989, A
846	82	3.9	360	6	US-11-056-355B-53659	Sequence 53659, A	919	81	3.8	433	7	US-11-056-355B-53615	Sequence 53615, A
847	82	3.9	468	6	US-11-330-403-6098	Sequence 6098, Ap	920	81	3.8	441	6	US-10-953-349-9108	Sequence 9108, Ap
848	82	3.9	468	6	US-10-471-571A-5412	Sequence 5412, Ap	921	81	3.8	441	7	US-11-056-355B-25548	Sequence 25548, A
849	82	3.9	486	7	US-11-221-322-118	Sequence 118, App	922	81	3.8	441	7	US-11-056-355B-35804	Sequence 35804, A
850	82	3.9	507	7	US-11-056-355B-96348	Sequence 96348, A	923	81	3.8	441	7	US-11-056-355B-45513	Sequence 45513, A
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852	82	3.9	541	7	US-11-056-355B-86641	Sequence 86641, A	925	81	3.8	441	6	US-11-056-355B-110205	Sequence 110205,
853	82	3.9	548	7	US-11-056-355B-102074	Sequence 102074, A	926	81	3.8	443	6	US-10-953-349-9107	Sequence 9107, Ap
854	82	3.9	548	7	US-11-056-355B-113313	Sequence 113313, A	927	81	3.8	443	7	US-11-056-355B-25547	Sequence 25547, A
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856	82	3.9	569	7	US-11-056-355B-113312	Sequence 113312, A	929	81	3.8	443	7	US-11-056-355B-45512	Sequence 45512, A
857	82	3.9	587	7	US-11-056-355B-45466	Sequence 45466, A	930	81	3.8	443	7	US-11-056-355B-98965	Sequence 98965, A
858	82	3.9	589	7	US-11-056-355B-102072	Sequence 102072, A	931	81	3.8	443	7	US-11-056-355B-110204	Sequence 110204,
859	82	3.9	589	7	US-11-056-355B-113311	Sequence 113311, A	932	81	3.8	448	6	US-10-471-571A-492	Sequence 492, App
860	82	3.9	591	7	US-11-045-540-1	Sequence 1, Appl1	933	81	3.8	450	6	US-10-953-349-20988	Sequence 20988, A
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864	82	3.9	670	6	US-10-449-902-46043	Sequence 46043, A	937	81	3.8	502	7	US-11-317-689A-595	Sequence 595, App
865	82	3.9	672	7	US-11-056-355B-86639	Sequence 86639, A	938	81	3.8	527	7	US-11-293-697-3984	Sequence 3984, App
866	82	3.9	785	7	US-11-056-355B-75790	Sequence 75790, A	939	81	3.8	535	6	US-10-953-349-38929	Sequence 38929, A
867	82	3.9	849	7	US-11-330-403-8049	Sequence 8049, Ap	940	81	3.8	536	6	US-10-953-349-38928	Sequence 38928, A
868	82	3.9	858	7	US-11-056-355B-75789	Sequence 75789, A	941	81	3.8	592	6	US-10-449-902-34768	Sequence 34768, A
869	82	3.9	901	6	US-10-449-902-51640	Sequence 51640, A	942	81	3.8	614	6	US-10-449-902-55812	Sequence 55812, A
870	82	3.9	1127	7	US-11-317-330A-17	Sequence 17, Appl1	943	81	3.8	617	6	US-10-449-902-34833	Sequence 34833, A
871	82	3.9	1128	6	US-10-530-450-11	Sequence 11, Appl1	944	81	3.8	658	7	US-11-056-355B-46530	Sequence 46530, A
872	82	3.9	1205	7	US-11-045-540-3	Sequence 3, Appl1	945	81	3.8	658	7	US-11-056-355B-47947	Sequence 47947, A
873	82	3.9	1247	7	US-11-056-355B-88201	Sequence 88201, A	946	81	3.8	658	7	US-11-056-355B-48039	Sequence 48039, A
874	82	3.9	1247	7	US-11-056-355B-88006	Sequence 88006, A	947	81	3.8	730	6	US-10-471-571A-1410	Sequence 1410, Ap
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876	82	3.9	1325	6	US-10-449-902-51794	Sequence 51794, A	949	81	3.8	872	6	US-10-527-411-145	Sequence 145, App
877	82	3.9	2024	6	US-10-537-642-21	Sequence 21, Appl1	950	81	3.8	879	6	US-10-527-411-143	Sequence 143, App
878	81.5	3.9	210	7	US-11-056-355B-7811	Sequence 7811, Ap	951	81	3.8	887	6	US-10-527-411-147	Sequence 147, App
879	81.5	3.9	210	7	US-11-056-355B-8404	Sequence 8404, Ap	952	81	3.8	968	6	US-10-553-436-229	Sequence 229, App
880	81.5	3.9	341	7	US-11-056-355B-88006	Sequence 88006, A	953	81	3.8	968	6	US-10-553-436-230	Sequence 230, App
881	81.5	3.9	346	7	US-11-056-355B-108006	Sequence 108006, A	954	81	3.8	968	6	US-10-553-436-231	Sequence 231, App
882	81.5	3.9	346	7	US-11-056-355B-119245	Sequence 119245, A	955	81	3.8	968	6	US-10-553-436-233	Sequence 233, App
883	81.5	3.9	361	6	US-10-449-902-35341	Sequence 35341, A	956	81	3.8	1000	6	US-10-449-902-54610	Sequence 54610, A
884	81.5	3.9	361	6	US-10-449-902-54789	Sequence 54789, A	957	81	3.8	1003	6	US-10-449-902-43627	Sequence 43627, A
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887	81.5	3.9	410	7	US-11-056-355B-55532	Sequence 55532, A	960	81	3.8	1019	6	US-10-528-563-11	Sequence 11, Appl1
888	81.5	3.9	411	7	US-11-056-355B-96349	Sequence 96349, A	961	81	3.8	1370	6	US-10-471-571A-740	Sequence 740, App
889	81.5	3.9	417	7	US-11-293-697-4699	Sequence 4699, Ap	962	81	3.8	1395	6	US-10-505-928-513	Sequence 513, App
890	81.5	3.9	430	6	US-10-953-349-20598	Sequence 20598, A	963	81	3.8	1744	6	US-10-553-436-228	Sequence 228, App
891	81.5	3.9	430	7	US-11-174-307B-4646	Sequence 4646, Ap	964	81	3.8	1744	6	US-10-553-436-232	Sequence 232, App
892	81.5	3.9	430	7	US-11-056-355B-55531	Sequence 55531, A	965	81	3.8	1815	6	US-10-553-436-227	Sequence 227, App
893	81.5	3.9	440	6	US-10-449-902-45132	Sequence 45132, A	966	80.5	3.8	270	6	US-10-449-902-48483	Sequence 48483, A
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900	81.5	3.9	505	6	US-10-953-349-1217	Sequence 1217, Ap	973	80.5	3.8	545	7	US-11-330-403-4127	Sequence 4127, Ap
901	81.5	3.9	532	6	US-10-953-349-1216	Sequence 1216, Ap	974	80.5	3.8	547	6	US-10-449-902-46672	Sequence 46672, A
902	81.5	3.9	567	6	US-10-449-902-44614	Sequence 44614, A	975	80.5	3.8	582	7	US-11-174-307B-3886	Sequence 3886, Ap
903	81.5	3.9	595	7	US-11-289-102-318	Sequence 318, App	976	80.5	3.8	647	7	US-11-056-355B-95989	Sequence 95989, A
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981	80.5	3.8	683	7	US-11-056-355B-80996	Sequence 80996, A	1054	79.5	3.8	434	7	US-11-056-355B-12345	Sequence 12345, A
982	80.5	3.8	685	6	US-10-449-902-42816	Sequence 42816, A	1055	79.5	3.8	434	7	US-11-043-824-293	Sequence 293, App
983	80.5	3.8	686	6	US-10-449-902-44710	Sequence 44710, A	1056	79.5	3.8	442	7	US-11-056-355B-72289	Sequence 72289, A
984	80.5	3.8	1056	6	US-10-505-928-225	Sequence 225, App	1057	79.5	3.8	446	7	US-11-332-431-3	Sequence 3, Appl1
985	80.5	3.8	1058	6	US-10-449-902-48932	Sequence 48932, A	1058	79.5	3.8	447	7	US-11-301-457-1	Sequence 1, Appl1
986	80.5	3.8	1178	7	US-11-020-808-23	Sequence 23, Appl	1059	79.5	3.8	450	7	US-11-056-355B-12344	Sequence 12344, A
987	80.5	3.8	1217	6	US-10-471-571A-1942	Sequence 1942, App	1060	79.5	3.8	475	6	US-10-953-349-17159	Sequence 17159, A
988	80.5	3.8	1247	6	US-10-561-569-8	Sequence 8, Appl	1061	79.5	3.8	475	6	US-11-056-355B-53799	Sequence 53799, A
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990	80	3.8	282	6	US-10-449-902-33147	Sequence 33147, A	1064	79.5	3.8	515	6	US-10-449-902-52689	Sequence 52689, A
991	80	3.8	317	6	US-10-374-780A-2860	Sequence 2860, App	1065	79.5	3.8	525	6	US-10-449-902-52689	Sequence 52689, A
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993	80	3.8	355	7	US-11-056-355B-58718	Sequence 58718, A	1067	79.5	3.8	549	6	US-10-449-902-43058	Sequence 43058, A
994	80	3.8	393	7	US-11-056-355B-58717	Sequence 58717, A	1068	79.5	3.8	573	6	US-11-056-355B-17650	Sequence 17650, A
995	80	3.8	395	7	US-11-056-355B-5549	Sequence 5549, App	1069	79.5	3.8	659	6	US-10-449-902-45152	Sequence 45152, A
996	80	3.8	414	7	US-11-330-403-42398	Sequence 42398, App	1070	79.5	3.8	743	6	US-10-449-902-51189	Sequence 51189, A
997	80	3.8	431	6	US-10-449-902-43427	Sequence 43427, A	1071	79.5	3.8	760	7	US-11-303-558-28	Sequence 28, Appl
998	80	3.8	441	7	US-11-293-697-3815	Sequence 3815, App	1072	79.5	3.8	818	7	US-11-056-355B-97733	Sequence 97733, A
999	80	3.8	446	6	US-10-449-902-55105	Sequence 55105, A	1073	79.5	3.8	818	7	US-11-056-355B-108972	Sequence 108972,
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1002	80	3.8	475	6	US-10-449-902-54998	Sequence 54998, A	1076	79.5	3.8	855	6	US-10-449-902-44060	Sequence 44060, A
1003	80	3.8	481	7	US-11-056-355B-58668	Sequence 58668, A	1077	79.5	3.8	872	7	US-11-056-355B-17648	Sequence 17648, A
1004	80	3.8	489	6	US-10-374-780A-272	Sequence 272, App	1078	79.5	3.8	897	6	US-10-471-571A-5590	Sequence 5590, App
1005	80	3.8	489	7	US-11-056-355B-100941	Sequence 100941, A	1079	79.5	3.8	964	7	US-11-134-228A-30	Sequence 30, Appl
1006	80	3.8	493	7	US-11-056-355B-12180	Sequence 12180, A	1080	79.5	3.8	1044	6	US-10-449-902-42836	Sequence 42836, A
1007	80	3.8	493	7	US-11-056-355B-58716	Sequence 58716, A	1081	79.5	3.8	1075	6	US-10-322-836-48	Sequence 48, Appl
1008	80	3.8	495	7	US-11-056-355B-95951	Sequence 95951, A	1082	79.5	3.8	1096	6	US-10-449-902-46857	Sequence 46857, A
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1012	80	3.8	531	7	US-11-293-697-4508	Sequence 4508, App	1086	79.5	3.8	1389	7	US-11-056-355B-69734	Sequence 69734, A
1013	80	3.8	624	6	US-10-471-571A-3904	Sequence 3904, App	1087	79.5	3.8	1405	7	US-11-056-355B-69733	Sequence 69733, A
1014	80	3.8	647	6	US-10-449-902-48454	Sequence 48454, A	1088	79	3.7	218	7	US-11-056-355B-97015	Sequence 97015, A
1015	80	3.8	842	6	US-10-953-349-37453	Sequence 37453, A	1089	79	3.7	236	6	US-11-174-307B-4676	Sequence 4676, App
1016	80	3.8	842	7	US-11-056-355B-5088	Sequence 5088, App	1090	79	3.7	306	6	US-10-449-902-33176	Sequence 33176, A
1017	80	3.8	848	7	US-11-056-355B-97360	Sequence 97360, A	1091	79	3.7	306	7	US-11-056-355B-97014	Sequence 97014, A
1018	80	3.8	849	6	US-10-953-349-37452	Sequence 37452, A	1092	79	3.7	330	7	US-11-056-355B-97013	Sequence 97013, A
1019	80	3.8	849	7	US-11-056-355B-5087	Sequence 5087, App	1093	79	3.7	343	6	US-10-538-228-828	Sequence 828, App
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1021	80	3.8	874	7	US-11-056-355B-97359	Sequence 97359, A	1095	79	3.7	388	6	US-10-953-349-20990	Sequence 20990, A
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1024	80	3.8	968	7	US-11-056-355B-83156	Sequence 83156, A	1098	79	3.7	413	6	US-10-953-349-2267	Sequence 2267, App
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1292	78	3.7	2165	7	US-11-389-618-30	Sequence 30, Appl	1365	77.5	3.7	788	6	US-10-392-874A-4	Sequence 4, Appl
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1295	77.5	3.7	212	6	US-10-953-349-7831	Sequence 7831, App	1368	77.5	3.7	894	7	US-11-330-403-10126	Sequence 10126, A
1296	77.5	3.7	212	7	US-11-056-355B-43968	Sequence 43968, A	1369	77.5	3.7	966	7	US-11-056-355B-70373	Sequence 70373, A
1297	77.5	3.7	212	7	US-11-056-355B-105128	Sequence 105128, A	1370	77.5	3.7	971	7	US-11-056-355B-70372	Sequence 70372, A
1298	77.5	3.7	212	7	US-11-056-355B-116367	Sequence 116367, A	1371	77.5	3.7	980	7	US-11-056-355B-45136	Sequence 45136, A
1299	77.5	3.7	214	6	US-10-449-903-30369	Sequence 30369, A	1372	77.5	3.7	996	7	US-11-056-355B-70371	Sequence 70371, A
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1302	77.5	3.7	233	6	US-10-953-349-7185	Sequence 7185, App	1375	77.5	3.7	1206	6	US-10-449-902-41163	Sequence 41163, A
1303	77.5	3.7	234	6	US-10-953-349-7830	Sequence 7830, App	1376	77.5	3.7	1273	7	US-11-056-355B-45134	Sequence 45134, A
1304	77.5	3.7	234	7	US-11-056-355B-43967	Sequence 43967, A	1377	77.5	3.7	1743	7	US-11-248-956-32	Sequence 32, Appl
1305	77.5	3.7	234	7	US-11-056-355B-105127	Sequence 105127, A	1378	77	3.7	199	7	US-11-251-208-278	Sequence 278, App
1306	77.5	3.7	234	7	US-11-056-355B-116366	Sequence 116366, A	1379	77	3.7	266	7	US-11-056-355B-37643	Sequence 37643, A
1307	77.5	3.7	245	7	US-11-056-355B-105126	Sequence 105126, A	1380	77	3.7	266	7	US-11-056-355B-105881	Sequence 105881, A
1308	77.5	3.7	251	7	US-11-056-355B-116365	Sequence 116365, A	1381	77	3.7	266	7	US-11-056-355B-117120	Sequence 117120, A
1309	77.5	3.7	251	7	US-11-056-355B-11045	Sequence 11045, A	1382	77	3.7	318	6	US-10-953-349-22225	Sequence 22225, A
1310	77.5	3.7	254	6	US-10-471-571A-2690	Sequence 2690, App	1383	77	3.7	318	6	US-11-056-355B-58838	Sequence 58838, A
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1312	77.5	3.7	267	7	US-11-056-355B-11044	Sequence 11044, A	1385	77	3.7	336	6	US-11-056-355B-81950	Sequence 81950, A
1313	77.5	3.7	274	6	US-10-953-349-1849	Sequence 1849, App	1386	77	3.7	336	6	US-10-953-349-19683	Sequence 19683, A
1314	77.5	3.7	274	7	US-11-056-355B-38075	Sequence 38075, A	1387	77	3.7	342	6	US-10-953-349-22224	Sequence 22224, A
1315	77.5	3.7	274	7	US-11-056-355B-74890	Sequence 74890, A	1388	77	3.7	342	6	US-11-056-355B-58837	Sequence 58837, A
1316	77.5	3.7	276	6	US-10-953-349-1848	Sequence 1848, App	1389	77	3.7	370	6	US-10-953-349-19682	Sequence 19682, A
1317	77.5	3.7	276	7	US-11-056-355B-38074	Sequence 38074, A	1390	77	3.7	372	6	US-10-449-902-50434	Sequence 50434, A
1318	77.5	3.7	276	7	US-11-056-355B-74889	Sequence 74889, A	1391	77	3.7	385	6	US-10-471-571A-3102	Sequence 3102, App
1319	77.5	3.7	289	6	US-10-953-349-7184	Sequence 7184, App	1392	77	3.7	420	6	US-10-449-902-34599	Sequence 34599, A
1320	77.5	3.7	307	7	US-11-330-403-18577	Sequence 18577, A	1393	77	3.7	430	7	US-11-056-355B-23081	Sequence 23081, A
1321	77.5	3.7	319	7	US-11-056-355B-24414	Sequence 24414, A	1394	77	3.7	430	7	US-11-056-355B-43092	Sequence 43092, A
1322	77.5	3.7	323	7	US-11-056-355B-24413	Sequence 24413, A	1395	77	3.7	430	7	US-11-056-355B-105245	Sequence 105245, A
1323	77.5	3.7	329	7	US-11-056-355B-11043	Sequence 11043, A	1396	77	3.7	430	7	US-11-056-355B-116484	Sequence 116484, A
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1326	77.5	3.7	384	6	US-10-953-349-2027	Sequence 2027, App	1399	77	3.7	461	7	US-11-056-355B-28306	Sequence 28306, A
1327	77.5	3.7	400	7	US-11-056-355B-46311	Sequence 46311, A	1400	77	3.7	461	7	US-11-056-355B-31996	Sequence 31996, A
1328	77.5	3.7	407	6	US-10-953-349-5303	Sequence 5303, App	1401	77	3.7	464	7	US-11-293-697-2815	Sequence 2815, App
1329	77.5	3.7	414	7	US-11-121-133-11	Sequence 11, App	1402	77	3.7	470	7	US-11-056-355B-23080	Sequence 23080, A
1330	77.5	3.7	421	6	US-10-953-349-2026	Sequence 2026, App	1403	77	3.7	470	7	US-11-056-355B-105244	Sequence 105244, A
1331	77.5	3.7	430	7	US-11-056-355B-69544	Sequence 69544, A	1404	77	3.7	470	7	US-11-056-355B-116483	Sequence 116483, A
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1345	77.5	3.7	565	6	US-10-511-937-2957	Sequence 2957, App	1418	77	3.7	639	7	US-11-056-355B-89227	Sequence 89227, A

1419	77	3.7	639	7	US-11-056-355B-32983	Sequence 92983, A	1493	76.5	3.6	577	7	US-11-289-102-220	Sequence 220, App
1420	77	3.7	649	7	US-11-056-355B-70332	Sequence 70332, A	1494	76.5	3.6	587	7	US-11-056-355B-14834	Sequence 14834, A
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1423	77	3.7	687	6	US-10-449-902-47220	Sequence 47220, A	1497	76.5	3.6	615	6	US-10-449-902-45810	Sequence 45810, A
1424	77	3.7	697	6	US-10-449-902-55949	Sequence 55949, A	1498	76.5	3.6	618	7	US-11-174-307B-4078	Sequence 4078, App
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1431	77	3.7	851	6	US-10-511-937-2597	Sequence 2597, App							
1432	77	3.7	896	7	US-11-056-355B-105452	Sequence 105452, A							
1433	77	3.7	896	7	US-11-056-355B-116691	Sequence 116691, A							
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1435	77	3.7	912	6	US-10-449-902-43619	Sequence 43619, A							
1436	77	3.7	913	7	US-11-056-355B-89554	Sequence 89554, A							
1437	77	3.7	913	7	US-11-056-355B-93310	Sequence 93310, A							
1438	77	3.7	916	6	US-10-449-902-55995	Sequence 55995, A							
1439	77	3.7	922	7	US-11-056-355B-89553	Sequence 89553, A							
1440	77	3.7	922	7	US-11-056-355B-93309	Sequence 93309, A							
1441	77	3.7	925	7	US-11-056-355B-70331	Sequence 70331, A							
1442	77	3.7	949	7	US-11-056-355B-89552	Sequence 89552, A							
1443	77	3.7	949	7	US-11-056-355B-93308	Sequence 93308, A							
1444	77	3.7	954	6	US-10-537-642-8	Sequence 8, Appli							
1445	77	3.7	1106	7	US-11-293-697-4301	Sequence 4301, App							
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1448	77	3.7	1388	7	US-11-056-355B-76930	Sequence 76930, A							
1449	77	3.7	2304	6	US-10-540-898-310	Sequence 310, App							
1450	76.5	3.6	212	6	US-10-953-349-26997	Sequence 26997, A							
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1455	76.5	3.6	303	6	US-10-471-571A-788	Sequence 788, App							
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1457	76.5	3.6	316	6	US-10-953-349-26995	Sequence 26995, A							
1458	76.5	3.6	316	7	US-11-056-355B-62178	Sequence 62178, A							
1459	76.5	3.6	330	6	US-10-449-902-46376	Sequence 46376, A							
1460	76.5	3.6	353	6	US-10-953-349-22787	Sequence 22787, A							
1461	76.5	3.6	363	6	US-10-953-349-22786	Sequence 22786, A							
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1463	76.5	3.6	372	7	US-11-056-355B-82327	Sequence 82327, A							
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1466	76.5	3.6	382	7	US-11-056-355B-17419	Sequence 17419, A							
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1471	76.5	3.6	431	7	US-11-056-355B-53737	Sequence 53737, A							
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1474	76.5	3.6	480	7	US-11-056-355B-96732	Sequence 96732, A							
1475	76.5	3.6	492	7	US-11-056-355B-96732	Sequence 96732, A							
1476	76.5	3.6	494	6	US-10-449-902-54846	Sequence 54846, A							
1477	76.5	3.6	495	6	US-10-953-349-24510	Sequence 24510, A							
1478	76.5	3.6	495	7	US-11-056-355B-96731	Sequence 96731, A							
1479	76.5	3.6	497	7	US-11-238-282-25	Sequence 25, Appli							
1480	76.5	3.6	497	7	US-11-056-355B-96730	Sequence 96730, A							
1481	76.5	3.6	497	7	US-11-056-355B-101669	Sequence 101669, A							
1482	76.5	3.6	497	7	US-11-056-355B-112908	Sequence 112908, A							
1483	76.5	3.6	503	7	US-11-056-355B-101668	Sequence 101668, A							
1484	76.5	3.6	503	7	US-11-056-355B-112907	Sequence 112907, A							
1485	76.5	3.6	503	7	US-11-317-789A-120	Sequence 120, App							
1486	76.5	3.6	511	7	US-11-056-355B-101667	Sequence 101667, A							
1487	76.5	3.6	511	7	US-11-056-355B-112906	Sequence 112906, A							
1488	76.5	3.6	542	7	US-11-090-689B-3	Sequence 3, Appli							
1489	76.5	3.6	544	6	US-10-449-902-33834	Sequence 33834, A							
1490	76.5	3.6	544	6	US-10-449-902-44458	Sequence 44458, A							
1491	76.5	3.6	556	7	US-11-056-355B-66308	Sequence 66308, A							
1492	76.5	3.6	570	7	US-11-056-355B-66307	Sequence 66307, A							

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Perfect score: 2109

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Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 1500 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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5	2109	100.0	409	2	US-09-989-735-158
6	2109	100.0	409	3	US-09-989-726-158
7	2109	100.0	409	3	US-09-997-514-158
8	2109	100.0	409	3	US-09-989-728-158
9	2109	100.0	409	3	US-09-997-349-158
10	2109	100.0	409	3	US-09-997-653-158
11	2109	100.0	409	3	US-09-989-293A-158
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17	122.5	5.8	905	2	US-09-248-796A-16333
18	122	5.8	1087	2	US-09-914-259-12
19	122	5.8	2482	1	US-08-328-254-6
20	122	5.8	3210	1	US-09-538-092-1154
21	122	5.8	3248	1	US-08-353-700-1
22	122	5.8	3248	5	PTC-US95-16216-1
23	120	5.7	440	2	US-09-762-194-2
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28	115.5	5.5	1307	2	US-09-949-016-7561	Sequence 7561, Ap
29	114.5	5.4	635	2	US-09-248-796A-23137	Sequence 23137, A
30	113	5.4	3730	2	US-09-949-016-9908	Sequence 9908, Ap
31	112	5.3	1401	2	US-09-750-590A-2	Sequence 2, Appl
32	111.5	5.3	1038	2	US-08-334-179A-2	Sequence 2, Appl
33	111.5	5.3	1038	2	US-09-908-500A-2	Sequence 4, Appl
34	111	5.3	1972	2	US-08-875-435B-4	Sequence 4, Appl
35	110.5	5.2	601	2	US-10-104-047-2566	Sequence 2566, Ap
36	110.5	5.2	1038	2	US-09-541-782-4	Sequence 4, Appl
37	110.5	5.2	1038	2	US-09-723-820-4	Sequence 4, Appl
38	110	5.2	1038	2	US-10-270-085-4	Sequence 4, Appl
39	110	5.2	530	2	US-08-979-608A-8	Sequence 8, Appl
40	110	5.2	530	2	US-09-517-849-8	Sequence 8, Appl
41	110	5.2	530	2	US-09-616-289-8	Sequence 8, Appl
42	110	5.2	530	2	US-09-976-740-8	Sequence 8, Appl
43	110	5.2	546	2	US-09-616-289-44	Sequence 44, Appl
44	110	5.2	546	2	US-09-976-740-44	Sequence 44, Appl
45	110	5.2	1518	2	US-09-487-558B-152	Sequence 152, App
46	110	5.2	2047	2	US-09-949-016-7404	Sequence 7404, Ap
47	109.5	5.2	447	2	US-10-104-047-2123	Sequence 2123, Ap
48	109.5	5.2	1038	2	US-08-334-179A-8	Sequence 8, Appl
49	109	5.2	975	2	US-10-094-749-2035	Sequence 2035, Ap
50	109	5.2	1972	2	US-08-875-435B-3	Sequence 3, Appl
51	108.5	5.1	747	2	US-09-949-016-6552	Sequence 6552, Ap
52	108.5	5.1	760	2	US-09-949-016-10413	Sequence 10413, A
53	108.5	5.1	1257	1	US-08-049-783-2	Sequence 2, Appl
54	108.5	5.1	1257	1	US-08-158-232-6	Sequence 6, Appl
55	108.5	5.1	1257	1	US-08-304-626-6	Sequence 6, Appl
56	108.5	5.1	1257	1	US-08-316-301A-6	Sequence 6, Appl
57	108.5	5.1	1257	1	US-08-611-928-6	Sequence 6, Appl
58	108.5	5.1	1257	2	US-09-173-891-6	Sequence 6, Appl
59	108.5	5.1	1257	2	US-09-076-137-6	Sequence 6, Appl
60	108.5	5.1	1257	2	US-09-738-363-6	Sequence 6, Appl
61	108.5	5.1	1257	5	PCT-US93-03624-6	Sequence 6, Appl
62	108.5	5.1	2662	2	US-09-595-684B-31	Sequence 31, Appl
63	108.5	5.1	2663	2	US-09-538-032-1252	Sequence 1252, Ap
64	108.5	5.1	5024	2	US-09-710-279-2964	Sequence 2964, Ap
65	108	5.1	557	2	US-08-979-608A-5	Sequence 5, Appl
66	108	5.1	557	2	US-09-517-849-5	Sequence 5, Appl
67	108	5.1	557	2	US-09-616-289-5	Sequence 5, Appl
68	108	5.1	557	2	US-09-976-740-5	Sequence 5, Appl
69	108	5.1	2954	2	US-09-150-867-1	Sequence 1, Appl
70	108	5.1	2954	3	US-09-724-584-1	Sequence 1, Appl
71	107.5	5.1	800	2	US-09-248-796A-20101	Sequence 20101, A
72	107.5	5.1	1080	2	US-09-904-380-2	Sequence 2, Appl
73	107	5.1	1009	2	US-09-248-796A-15100	Sequence 15100, A
74	106.5	5.0	558	1	US-08-285-440-6	Sequence 6, Appl
75	106.5	5.0	558	1	US-08-630-349-6	Sequence 6, Appl
76	106.5	5.0	1111	2	US-09-914-259-28	Sequence 28, Appl
77	106	5.0	487	2	US-09-538-032-83	Sequence 83, Appl
78	106	5.0	909	2	US-10-172-502-6	Sequence 6, Appl
79	106	5.0	1427	2	US-09-538-032-1044	Sequence 1044, Ap
80	105.5	5.0	582	2	US-08-334-179A-4	Sequence 4, Appl
81	105.5	5.0	1043	2	US-09-949-016-11650	Sequence 11650, A
82	105.5	5.0	1211	2	US-09-134-001C-4820	Sequence 4820, Ap
83	105.5	5.0	1261	2	US-09-080-855-2	Sequence 2, Appl
84	105.5	5.0	1261	2	US-09-566-076-2	Sequence 2, Appl
85	105.5	5.0	1979	2	US-09-949-016-6468	Sequence 6468, Ap
86	105.5	5.0	3878	2	US-09-914-259-11	Sequence 11, Appl
87	105	5.0	352	2	US-09-543-681A-6618	Sequence 6618, Ap
88	105	5.0	901	2	US-09-248-796A-14747	Sequence 14747, A
89	105	5.0	1969	2	US-09-418-710-72	Sequence 72, Appl
90	105	5.0	1969	2	US-09-839-479-71	Sequence 71, Appl
91	105	5.0	1972	2	US-09-418-710-21	Sequence 21, Appl
92	105	5.0	2329	2	US-09-839-479-21	Sequence 21, Appl
93	104.5	5.0	3418	1	US-08-753-587-16	Sequence 16, Appl
94	104.5	5.0	3418	1	US-08-639-501-2	Sequence 2, Appl
95	104.5	5.0	3418	1	US-08-603-753D-4	Sequence 4, Appl
96	104.5	5.0	3418	2	US-09-044-946-2	Sequence 2, Appl
97	104.5	5.0	3418	2	US-08-753-587-44	Sequence 44, Appl
98	104.5	5.0	3418	2	US-09-044-908-2	Sequence 2, Appl
99	104.5	5.0	3418	2	US-09-049-753-4	Sequence 4, Appl

100	104.5	5.0	3418	2	US-08-986-106-4	Sequence 4, Appli	173	101.5	4.8	1863	2	US-08-825-487A-4	Sequence 4, Appli
101	104.5	5.0	10182	2	US-09-134-001C-3159	Sequence 3159, Ap	174	101.5	4.8	1863	2	US-08-825-487A-6	Sequence 6, Appli
102	104.5	4.9	484	2	US-09-468-656A-6	Sequence 6, Appli	175	101.5	4.8	1863	2	US-09-074-476-2	Sequence 2, Appli
103	103.5	4.9	484	2	US-09-949-016-8999	Sequence 8999, Ap	176	101.5	4.8	1863	2	US-09-074-476-4	Sequence 2, Appli
104	103.5	4.9	484	2	US-09-769-787-38	Sequence 38, Appl	177	101.5	4.8	1863	2	US-09-074-476-6	Sequence 2, Appli
105	103.5	4.9	532	1	US-08-285-440-5	Sequence 5, Appli	178	101.5	4.8	1863	2	US-08-850-727-2	Sequence 2, Appli
106	103.5	4.9	532	1	US-08-630-349-5	Sequence 5, Appli	179	101.5	4.8	1863	2	US-08-850-727-6	Sequence 2, Appli
107	103.5	4.9	538	2	US-09-949-016-6479	Sequence 6479, Ap	180	101.5	4.8	1863	2	US-08-989-890-16	Sequence 16, Appl
108	103.5	4.9	541	2	US-09-949-016-7217	Sequence 7217, Ap	181	101.5	4.8	1863	2	US-10-022-819-2	Sequence 2, Appli
109	103	4.9	360	2	US-09-248-796A-15847	Sequence 15847, A	182	101.5	4.8	1863	2	US-09-462-401A-2	Sequence 2, Appli
110	103	4.9	400	2	US-09-248-796A-15847	Sequence 15847, A	183	101.5	4.8	1863	2	US-09-538-092-1098	Sequence 1098, Ap
111	103	4.9	2285	2	US-09-308-375-2	Sequence 18122, A	184	101.5	4.8	1863	2	US-09-734-672A-2	Sequence 2, Appli
112	103	4.9	2285	2	US-09-932-183A-2	Sequence 2, Appli	185	101.5	4.8	1863	2	US-09-734-672A-4	Sequence 4, Appli
113	102.5	4.9	577	2	US-09-315-794-32	Sequence 32, Appl	186	101.5	4.8	1863	2	US-09-734-672A-6	Sequence 6, Appli
114	102.5	4.9	577	2	US-09-389-341-32	Sequence 32, Appl	187	101.5	4.8	1863	2	US-09-923-327A-264	Sequence 264, App
115	102.5	4.9	577	2	US-09-538-092-369	Sequence 369, App	188	101.5	4.8	1863	2	US-09-923-327A-266	Sequence 266, App
116	102.5	4.9	697	2	US-09-248-796A-15971	Sequence 15971, A	189	101.5	4.8	1863	5	US-09-923-327A-268	Sequence 268, App
117	102.5	4.9	722	2	US-09-248-796A-20613	Sequence 20613, A	190	101.5	4.8	1863	5	PCT-US95-10202-2	Sequence 2, Appli
118	102.5	4.9	1164	2	US-08-923-992A-10	Sequence 10, Appl	191	101.5	4.8	1863	5	PCT-US95-10203-2	Sequence 2, Appli
119	102	4.8	1298	2	US-09-540-236-2334	Sequence 2334, Ap	192	101	4.8	715	2	US-09-134-000C-5094	Sequence 5094, Ap
120	102	4.8	1695	2	US-09-866-108A-15753	Sequence 15753, A	193	101	4.8	715	2	US-09-248-796A-20602	Sequence 20602, A
121	102	4.8	1780	2	US-09-949-016-6889	Sequence 6889, Ap	194	101	4.8	914	2	US-10-163-214-12	Sequence 12, Appl
122	102	4.8	1786	2	US-09-949-016-7880	Sequence 7880, Ap	195	100.5	4.8	654	2	US-10-172-502-10	Sequence 10, Appl
123	101.5	4.8	399	2	US-09-270-767-48048	Sequence 48048, A	196	100.5	4.8	663	2	US-09-949-016-7198	Sequence 7198, Ap
124	101.5	4.8	663	2	US-09-196-293-5	Sequence 5, Appli	197	100.5	4.8	1164	2	US-08-923-992A-2	Sequence 2, Appli
125	101.5	4.8	663	2	US-08-209-603E-5	Sequence 5, Appli	198	100.5	4.8	1602	2	US-09-269-874A-7	Sequence 7, Appli
126	101.5	4.8	663	2	US-08-235-836C-70	Sequence 70, Appl	199	100.5	4.8	1621	2	US-09-269-874A-5	Sequence 5, Appli
127	101.5	4.8	663	2	US-08-235-836C-78	Sequence 78, Appl	200	100.5	4.8	1639	2	US-09-269-874A-3	Sequence 3, Appli
128	101.5	4.8	663	2	US-09-711-546-5	Sequence 5, Appli	201	100.5	4.8	1866	2	US-08-938-105-3	Sequence 3, Appli
129	101.5	4.8	663	2	US-10-289-795-5	Sequence 5, Appli	202	100.5	4.8	1876	2	US-09-538-092-1078	Sequence 1078, Ap
130	101.5	4.8	663	3	US-10-369-100A-70	Sequence 70, Appl	203	100	4.7	529	2	US-09-464-483-2	Sequence 2, Appli
131	101.5	4.8	663	3	US-10-369-100A-78	Sequence 78, Appl	204	100	4.7	529	2	US-09-414-664-2	Sequence 2, Appli
132	101.5	4.8	765	1	US-08-425-061-19	Sequence 19, Appl	205	100	4.7	575	2	US-09-583-110-2728	Sequence 2728, Ap
133	101.5	4.8	765	1	US-08-825-886-19	Sequence 19, Appl	206	100	4.7	587	2	US-09-107-433-2642	Sequence 2642, Ap
134	101.5	4.8	765	2	US-08-389-890-19	Sequence 19, Appl	207	100	4.7	770	2	US-10-094-743-2317	Sequence 2317, Ap
135	101.5	4.8	885	2	US-08-989-890-21	Sequence 21, Appl	208	100	4.7	926	2	US-08-755-587-187	Sequence 187, App
136	101.5	4.8	885	2	US-09-248-796A-14427	Sequence 14427, A	209	100	4.7	1581	2	US-09-866-108A-15754	Sequence 15754, A
137	101.5	4.8	900	1	US-08-425-061-20	Sequence 20, Appl	210	100	4.7	1857	2	US-09-917-254-91	Sequence 91, Appl
138	101.5	4.8	900	1	US-08-825-886-20	Sequence 20, Appl	211	100	4.7	1937	2	US-09-538-092-918	Sequence 918, App
139	101.5	4.8	914	1	US-08-989-890-20	Sequence 20, Appl	212	100	4.7	1945	2	US-09-927-597-2	Sequence 2, Appli
140	101.5	4.8	914	1	US-08-425-061-21	Sequence 21, Appl	213	100	4.7	1972	2	US-09-538-092-1084	Sequence 1084, Ap
141	101.5	4.8	914	2	US-08-825-886-21	Sequence 21, Appl	214	100	4.7	1979	2	US-09-538-092-1084	Sequence 4, Appli
142	101.5	4.8	1039	2	US-08-989-890-21	Sequence 21, Appl	215	100	4.7	1984	2	US-09-927-597-4	Sequence 4, Appli
143	101.5	4.8	1098	2	US-08-923-992A-8	Sequence 8, Appli	216	100	4.7	1984	2	US-09-949-016-7111	Sequence 7111, Ap
144	101.5	4.8	1202	1	US-08-425-061-22	Sequence 22, Appl	217	100	4.7	1984	2	US-09-949-016-7113	Sequence 7113, Ap
145	101.5	4.8	1202	1	US-08-825-886-22	Sequence 22, Appl	218	100	4.7	2472	2	US-09-538-092-1312	Sequence 1312, Ap
146	101.5	4.8	1202	2	US-08-989-890-22	Sequence 22, Appl	219	99.5	4.7	1014	2	US-09-762-724-2	Sequence 2, Appli
147	101.5	4.8	1363	1	US-08-425-061-23	Sequence 23, Appl	220	99	4.7	2186	2	US-09-549-016-10828	Sequence 10828, A
148	101.5	4.8	1363	1	US-08-825-886-23	Sequence 23, Appl	221	99	4.7	2349	2	US-09-538-092-914	Sequence 914, App
149	101.5	4.8	1363	2	US-08-989-890-23	Sequence 23, Appl	222	98.5	4.7	397	2	US-09-248-796A-18882	Sequence 18882, A
150	101.5	4.8	1496	2	US-09-949-016-6796	Sequence 6796, Ap	223	98.5	4.7	551	2	US-09-538-092-448	Sequence 448, App
151	101.5	4.8	1598	2	US-09-949-016-6795	Sequence 6795, Ap	224	98.5	4.7	670	2	US-09-134-001C-2940	Sequence 2940, Ap
152	101.5	4.8	1624	2	US-09-433-794-19	Sequence 19, Appl	225	98.5	4.7	691	2	US-09-538-092-421	Sequence 421, App
153	101.5	4.8	1770	3	US-09-949-016-6794	Sequence 6794, Ap	226	98.5	4.7	1067	2	US-09-107-532A-5148	Sequence 5148, Ap
154	101.5	4.8	1821	2	US-09-949-016-11463	Sequence 11463, A	227	98.5	4.7	1095	2	US-09-710-279-3154	Sequence 3154, Ap
155	101.5	4.8	1821	2	US-09-949-016-11464	Sequence 11464, A	228	98.5	4.7	1104	2	US-08-923-992A-4	Sequence 4, Appli
156	101.5	4.8	1821	2	US-09-949-016-11465	Sequence 11465, A	229	98.5	4.7	1388	2	US-09-572-191-2	Sequence 2, Appli
157	101.5	4.8	1821	2	US-09-949-016-11466	Sequence 11466, A	230	98.5	4.7	1388	2	US-09-723-262-2	Sequence 2, Appli
158	101.5	4.8	1852	1	US-08-425-061-24	Sequence 24, Appl	231	98.5	4.7	1388	2	US-09-723-262-2	Sequence 2, Appli
159	101.5	4.8	1852	1	US-08-825-886-24	Sequence 24, Appl	232	98	4.6	732	2	US-10-160-748-6	Sequence 6, Appli
160	101.5	4.8	1852	2	US-08-989-890-24	Sequence 24, Appl	233	98	4.6	793	2	US-09-538-092-1371	Sequence 1371, Ap
161	101.5	4.8	1863	1	US-08-425-061-16	Sequence 16, Appl	234	98	4.6	887	1	US-07-867-106-3	Sequence 3, Appli
162	101.5	4.8	1863	1	US-08-598-591-2	Sequence 2, Appli	235	98	4.6	976	2	US-09-104-3248-4	Sequence 4, Appli
163	101.5	4.8	1863	1	US-08-480-784-2	Sequence 2, Appli	236	98	4.6	976	2	US-09-538-092-1339	Sequence 1339, Ap
164	101.5	4.8	1863	1	US-08-483-553-2	Sequence 2, Appli	237	98	4.6	1173	2	US-09-248-796A-19313	Sequence 19313, A
165	101.5	4.8	1863	1	US-08-487-002-2	Sequence 2, Appli	238	97.5	4.6	312	1	US-08-285-440-4	Sequence 4, Appli
166	101.5	4.8	1863	1	US-08-483-554B-2	Sequence 2, Appli	239	97.5	4.6	312	1	US-08-630-349-4	Sequence 4, Appli
167	101.5	4.8	1863	1	US-08-798-691-2	Sequence 2, Appli	240	97.5	4.6	454	2	US-09-248-796A-20204	Sequence 20204, A
168	101.5	4.8	1863	1	US-08-798-691-4	Sequence 4, Appli	241	97.5	4.6	531	2	US-09-248-796A-15957	Sequence 15957, A
169	101.5	4.8	1863	1	US-08-798-691-6	Sequence 6, Appli	242	97.5	4.6	652	2	US-08-559-896B-2	Sequence 2, Appli
170	101.5	4.8	1863	1	US-08-488-011B-2	Sequence 2, Appli	243	97.5	4.6	652	2	US-09-351-794A-2	Sequence 2, Appli
171	101.5	4.8	1863	1	US-08-825-886-16	Sequence 16, Appl	244	97.5	4.6	657	2	US-09-653-465B-2	Sequence 2, Appli
172	101.5	4.8	1863	2	US-08-825-487A-2	Sequence 2, Appli	245	97.5	4.6	705	2	US-10-094-749-2844	Sequence 2844, Ap

246	97.5	4.6	810	2	US-09-248-796A-20281	Sequence 20281, A	319	93.5	4.4	787	2	US-09-291-417D-151	Sequence 151, App
247	97	4.6	391	2	US-09-248-796A-16378	Sequence 16378, A	320	93.5	4.4	1049	2	US-09-107-532A-5966	Sequence 5966, Ap
248	97	4.6	543	2	US-08-697-610-2	Sequence 2, Appli	321	93.5	4.4	1288	2	US-09-919-039-209	Sequence 209, App
249	97	4.6	543	2	US-08-349-357-2	Sequence 2, Appli	322	93.5	4.4	2871	2	US-09-538-092-936	Sequence 936, App
250	96.5	4.6	381	2	US-09-252-991A-29970	Sequence 29970, A	323	93	4.4	476	2	US-09-978-309A-77	Sequence 77, Appl
251	96.5	4.6	667	2	US-09-538-092-442	Sequence 442, App	324	93	4.4	477	1	US-08-402-217A-3	Sequence 3, Appli
252	96.5	4.6	675	2	US-09-332-063-2	Sequence 2, Appli	325	93	4.4	477	1	US-08-700-178-3	Sequence 3, Appli
253	96.5	4.6	742	2	US-09-248-796A-19053	Sequence 19053, A	326	93	4.4	477	2	US-08-995-654-3	Sequence 3, Appli
254	96.5	4.6	1276	2	US-09-949-016-8886	Sequence 8886, Ap	327	93	4.4	606	2	US-08-477-831C-2	Sequence 2, Appli
255	96	4.6	443	2	US-09-489-039A-8591	Sequence 8591, Ap	328	93	4.4	627	2	US-09-248-796A-20614	Sequence 20614, A
256	96	4.6	513	2	US-09-248-796A-15402	Sequence 15402, A	329	93	4.4	631	2	US-08-477-831C-11	Sequence 11, Appl
257	96	4.6	544	2	US-10-094-749-2779	Sequence 2779, Ap	330	93	4.4	631	2	US-08-685-010-48	Sequence 48, Appl
258	96	4.6	550	2	US-10-104-047-3495	Sequence 3495, Ap	331	93	4.4	631	2	US-09-978-309A-48	Sequence 48, Appl
259	96	4.6	682	2	US-09-187-999-13	Sequence 13, Appl	332	93	4.4	693	2	US-08-235-836C-68	Sequence 68, Appl
260	96	4.6	583	2	US-09-543-681A-5403	Sequence 5403, Ap	333	93	4.4	693	3	US-10-369-100A-68	Sequence 68, Appl
261	96	4.6	719	2	US-09-763-902B-5	Sequence 5, Appli	334	93	4.4	756	2	US-10-164-230-63	Sequence 63, Appl
262	96	4.6	1279	2	US-09-724-517-2	Sequence 2, Appli	335	93	4.4	868	2	US-09-248-796A-16660	Sequence 16660, A
263	96	4.6	1279	2	US-09-641-807A-2	Sequence 2, Appli	336	93	4.4	891	2	US-09-134-001C-4913	Sequence 4913, Ap
264	96	4.6	1279	2	US-09-723-096-2	Sequence 2, Appli	337	93	4.4	1073	2	US-09-541-782-6	Sequence 6, Appli
265	96	4.6	1388	2	US-09-976-594-296	Sequence 296, App	338	93	4.4	1073	2	US-09-723-820-6	Sequence 6, Appli
266	96	4.6	3135	1	US-08-323-170B-2	Sequence 2, Appli	339	93	4.4	1073	2	US-10-270-085-6	Sequence 6, Appli
267	96	4.6	3135	2	US-08-954-441-2	Sequence 2, Appli	340	93	4.4	1076	2	US-09-976-594-889	Sequence 889, App
268	95.5	4.5	244	2	US-09-270-767-44820	Sequence 44820, A	341	93	4.4	1388	1	US-08-685-576-4	Sequence 4, Appli
269	95.5	4.5	373	2	US-09-949-016-6394	Sequence 6394, Ap	342	93	4.4	1805	1	US-07-853-913-2	Sequence 2, Appli
270	95.5	4.5	376	2	US-09-949-016-11659	Sequence 11659, A	343	93	4.4	2214	3	US-10-114-270-208	Sequence 208, App
271	95.5	4.5	424	2	US-09-248-796A-21323	Sequence 21323, A	344	92.5	4.4	389	2	US-09-543-681A-7496	Sequence 7496, Ap
272	95.5	4.5	488	2	US-09-248-796A-15985	Sequence 15985, A	345	92.5	4.4	466	2	US-09-248-796A-15064	Sequence 15064, A
273	95.5	4.5	517	2	US-09-849-617-2	Sequence 2, Appli	346	92.5	4.4	508	2	US-10-104-047-2186	Sequence 2186, Ap
274	95.5	4.5	591	1	US-08-736-770-5	Sequence 5, Appli	347	92.5	4.4	557	2	US-09-138-277C-3	Sequence 3, Appli
275	95.5	4.5	591	2	US-09-643-657-5	Sequence 5, Appli	348	92.5	4.4	563	2	US-09-248-796A-18632	Sequence 18632, A
276	95.5	4.5	769	2	US-09-538-092-700	Sequence 700, App	349	92.5	4.4	700	2	US-08-235-836C-74	Sequence 74, Appl
277	95.5	4.5	1939	2	US-09-310-187A-1	Sequence 1, Appli	350	92.5	4.4	886	2	US-10-369-100A-74	Sequence 74, Appl
278	95.5	4.5	1939	2	US-09-538-092-917	Sequence 917, App	351	92.5	4.4	886	2	US-08-956-171E-5235	Sequence 5235, Ap
279	95	4.5	510	2	US-09-270-767-46399	Sequence 46399, A	352	92.5	4.4	886	2	US-08-781-986A-5235	Sequence 5235, Ap
280	95	4.5	553	2	US-09-248-796A-16152	Sequence 16152, A	353	92.5	4.4	1115	1	US-08-568-459A-2	Sequence 2, Appli
281	95	4.5	782	2	US-09-949-016-6943	Sequence 6943, Ap	354	92.5	4.4	1115	1	US-08-487-826B-2	Sequence 2, Appli
282	95	4.5	897	1	US-08-095-737-4	Sequence 4, Appli	355	92.5	4.4	1115	2	US-09-210-288-2	Sequence 2, Appli
283	95	4.5	897	1	US-08-480-145-4	Sequence 4, Appli	356	92.5	4.4	1115	2	US-10-153-273-2	Sequence 2, Appli
284	95	4.5	915	1	US-08-477-389-4	Sequence 2, Appli	357	92.5	4.4	1115	7	5198347-6	Patent No. 5198347
285	95	4.5	915	2	US-08-818-070-2	Sequence 2, Appli	358	92.5	4.4	1471	2	US-08-755-587-188	Sequence 188, App
286	95	4.5	915	1	US-08-723-585-2	Sequence 2, Appli	359	92	4.4	402	2	US-09-464-483-4	Sequence 4, Appli
287	95	4.5	915	2	US-09-583-110-3100	Sequence 3100, Ap	360	92	4.4	402	2	US-09-414-664-4	Sequence 4, Appli
288	95	4.5	924	2	US-09-248-796A-18798	Sequence 18798, A	361	92	4.4	464	2	US-10-017-754-1906	Sequence 1906, Ap
289	95	4.5	973	2	US-09-392-714-24	Sequence 24, Appl	362	92	4.4	510	2	US-08-948-564-4	Sequence 4, Appli
290	95	4.5	1048	2	US-09-356-952-5	Sequence 5, Appli	363	92	4.4	510	3	US-10-021-425-30	Sequence 30, Appl
291	95	4.5	1579	2	US-08-755-587-184	Sequence 184, App	364	92	4.4	977	2	US-09-010-147B-18	Sequence 18, Appl
292	95	4.5	1959	2	US-09-949-016-8134	Sequence 8134, Ap	365	92	4.4	1066	2	US-09-541-782-8	Sequence 8, Appli
293	94.5	4.5	558	2	US-09-138-277C-1	Sequence 1, Appli	366	92	4.4	1066	2	US-09-723-820-8	Sequence 8, Appli
294	94.5	4.5	740	2	US-10-094-749-2991	Sequence 2991, Ap	367	92	4.4	1066	2	US-10-270-085-8	Sequence 8, Appli
295	94.5	4.5	896	1	US-08-095-737-2	Sequence 2, Appli	368	92	4.4	1087	2	US-09-830-230A-322	Sequence 322, App
296	94.5	4.5	896	1	US-08-480-145-2	Sequence 2, Appli	369	92	4.4	1119	2	US-09-830-230A-321	Sequence 321, App
297	94.5	4.5	896	1	US-08-477-389-2	Sequence 2, Appli	370	92	4.4	1196	2	US-09-949-016-10065	Sequence 10065, A
298	94.5	4.5	896	2	US-09-538-092-1113	Sequence 1113, Ap	371	92	4.4	1196	2	US-09-949-016-10066	Sequence 10066, A
299	94.5	4.5	896	2	US-09-949-016-6155	Sequence 6155, Ap	372	92	4.4	1239	2	US-09-949-016-10063	Sequence 10063, A
300	94.5	4.5	926	2	US-09-949-016-10683	Sequence 10683, A	373	92	4.4	1239	2	US-09-949-016-10064	Sequence 10064, A
301	94.5	4.5	1836	2	US-09-949-016-7432	Sequence 7432, Ap	374	92	4.4	1940	2	US-09-538-092-901	Sequence 901, App
302	94	4.5	374	2	US-09-134-001C-5555	Sequence 5555, Ap	375	92	4.4	1963	2	US-09-949-016-8888	Sequence 8888, Ap
303	94	4.5	447	2	US-08-961-083-182	Sequence 182, App	376	92	4.4	2186	1	US-08-822-445-2	Sequence 2, Appli
304	94	4.5	447	2	US-09-536-784-182	Sequence 182, App	377	92	4.4	2186	2	US-09-386-540-2	Sequence 2, Appli
305	94	4.5	447	2	US-09-765-271A-182	Sequence 182, App	378	91.5	4.3	267	2	US-09-248-796A-16404	Sequence 16404, A
306	94	4.5	447	2	US-09-765-271A-182	Sequence 182, App	379	91.5	4.3	304	2	US-09-695-458-3	Sequence 3, Appli
307	94	4.5	693	2	US-08-235-836C-72	Sequence 72, Appl	380	91.5	4.3	331	2	US-09-695-458-2	Sequence 2, Appli
308	94	4.5	693	3	US-10-369-100A-72	Sequence 72, Appl	381	91.5	4.3	442	2	US-09-134-001C-3033	Sequence 3033, Ap
309	94	4.5	898	2	US-09-688-188B-22	Sequence 22, Appl	382	91.5	4.3	503	2	US-09-107-433-2888	Sequence 2888, Ap
310	94	4.5	898	2	US-09-291-417D-22	Sequence 22, Appl	383	91.5	4.3	789	2	US-09-002-285-100	Sequence 100, App
311	94	4.5	898	2	US-09-771-161A-260	Sequence 260, App	384	91.5	4.3	789	2	US-09-589-477-100	Sequence 100, App
312	94	4.5	899	2	US-09-248-796A-19542	Sequence 19542, A	385	91.5	4.3	789	2	US-10-099-285A-100	Sequence 100, App
313	94	4.5	1245	2	US-09-543-681A-5592	Sequence 5592, Ap	386	91.5	4.3	898	2	US-10-449-315-11	Sequence 11, Appl
314	94	4.5	1938	2	US-09-949-016-6617	Sequence 6617, Ap	387	91.5	4.3	994	2	US-09-949-016-6779	Sequence 6779, Ap
315	93.5	4.4	487	2	US-09-107-532A-4946	Sequence 4946, Ap	388	91.5	4.3	1055	2	US-09-949-016-9776	Sequence 9776, Ap
316	93.5	4.4	539	2	US-09-270-767-43655	Sequence 43655, A	389	91.5	4.3	1863	1	US-08-603-753D-2	Sequence 2, Appli
317	93.5	4.4	626	2	US-10-094-749-2385	Sequence 2385, Ap	390	91.5	4.3	1863	2	US-09-099-753-2	Sequence 2, Appli
318	93.5	4.4	787	2	US-09-688-188B-151	Sequence 151, App	391	91.5	4.3	1863	2	US-08-986-106-2	Sequence 2, Appli

392	91.5	4.3	1863	2	US-09-007-678B-49	Sequence 49, Appl	465	89.5	4.2	1194	2	US-09-098-310-2	Sequence 2, Appl
393	91.5	4.3	1935	2	US-09-538-092-916	Sequence 916, App	465	89.5	4.2	1194	2	US-09-538-092-825	Sequence 825, App
394	91.5	4.3	1944	2	US-09-949-016-10929	Sequence 10929, A	467	89.5	4.2	1194	2	US-09-949-016-6030	Sequence 6030, App
395	91.5	4.3	4377	2	US-09-949-016-6978	Sequence 6978, App	468	89.5	4.2	1237	2	US-09-949-016-6842	Sequence 6842, App
396	91	4.3	241	2	US-09-248-796A-14548	Sequence 14548, A	469	89.5	4.2	1939	2	US-09-949-016-6925	Sequence 6925, App
397	91	4.3	331	2	US-09-107-433-3308	Sequence 3308, App	470	89.5	4.2	3913	2	US-09-949-016-10933	Sequence 10933, A
398	91	4.3	429	2	US-09-248-796A-14642	Sequence 14642, A	471	89	4.2	222	1	US-08-933-750C-41	Sequence 41, Appl
399	91	4.3	464	2	US-09-134-000C-6350	Sequence 6350, App	472	89	4.2	222	1	US-09-234-613-41	Sequence 41, Appl
400	91	4.3	800	2	US-09-949-016-7703	Sequence 7703, App	473	89	4.2	285	2	US-09-583-110-4256	Sequence 4256, App
401	91	4.3	878	2	US-09-134-001C-4378	Sequence 4378, App	474	89	4.2	286	2	US-09-107-433-4607	Sequence 4607, App
402	91	4.3	984	1	US-08-242-932-2	Sequence 2, Appl	475	89	4.2	422	1	US-08-485-938A-34	Sequence 34, Appl
403	91	4.3	984	1	US-08-714-481-2	Sequence 2, Appl	476	89	4.2	468	2	US-09-710-279-2242	Sequence 2242, App
404	91	4.3	984	5	PCT-US95-06111-2	Sequence 2, Appl	477	89	4.2	490	2	US-09-710-279-872	Sequence 872, App
405	91	4.3	1035	1	US-09-949-016-6391	Sequence 6391, App	478	89	4.2	531	2	US-09-248-796A-19139	Sequence 19139, A
406	91	4.3	1388	1	US-08-685-576-1	Sequence 1, Appl	479	89	4.2	642	2	US-09-337-307A-3	Sequence 3, Appl
407	91	4.3	1494	2	US-08-755-587-186	Sequence 186, App	480	89	4.2	642	2	US-09-337-307A-4	Sequence 4, Appl
408	91	4.3	1539	2	US-09-949-016-9653	Sequence 9653, App	481	89	4.2	660	2	US-09-583-110-3976	Sequence 3976, App
409	91	4.3	3636	2	US-09-134-001C-5080	Sequence 5080, App	482	89	4.2	783	2	US-09-248-796A-17935	Sequence 17935, A
410	90.5	4.3	238	2	US-09-270-767-56745	Sequence 56745, A	483	89	4.2	792	2	US-09-248-796A-18842	Sequence 18842, A
411	90.5	4.3	284	2	US-09-914-259-53	Sequence 53, Appl	484	89	4.2	811	2	US-09-248-796A-18641	Sequence 18641, A
412	90.5	4.3	284	2	US-09-914-259-54	Sequence 54, Appl	485	89	4.2	835	1	US-08-968-751-4	Sequence 4, Appl
413	90.5	4.3	284	2	US-09-538-092-871	Sequence 871, App	486	89	4.2	852	2	US-09-248-796A-14890	Sequence 14890, A
414	90.5	4.3	430	2	US-09-248-796A-14556	Sequence 14556, A	487	89	4.2	890	2	US-09-849-602-19	Sequence 19, Appl
415	90.5	4.3	471	2	US-09-134-001C-3150	Sequence 3150, App	488	89	4.2	939	2	US-10-094-749-1895	Sequence 1895, App
416	90.5	4.3	686	2	US-09-248-796A-17699	Sequence 17699, A	489	89	4.2	1050	2	US-09-538-092-131	Sequence 131, App
417	90.5	4.3	720	2	US-10-094-749-2417	Sequence 2417, App	490	89	4.2	1197	2	US-09-618-425-2	Sequence 2, Appl
418	90.5	4.3	928	2	US-09-914-259-23	Sequence 23, Appl	491	89	4.2	1274	2	US-09-095-443-2	Sequence 2, Appl
419	90.5	4.3	1051	2	US-08-965-762-14	Sequence 14, Appl	492	89	4.2	1636	3	US-10-433-794-1	Sequence 1, Appl
420	90.5	4.3	1051	2	US-09-911-882-14	Sequence 14, Appl	493	89	4.2	1676	2	US-09-949-016-7610	Sequence 7610, App
421	90.5	4.3	1051	2	US-09-911-882-14	Sequence 14, Appl	494	89	4.2	3433	2	US-09-538-092-1136	Sequence 1136, App
422	90.5	4.3	1051	2	US-09-911-888-14	Sequence 14, Appl	495	88.5	4.2	288	1	US-08-393-985-2	Sequence 2, Appl
423	90.5	4.3	1310	2	US-10-373-090A-1	Sequence 1, Appl	496	88.5	4.2	288	1	US-08-337-602-4	Sequence 4, Appl
424	90.5	4.3	1513	5	PCT-US93-03076-2	Sequence 2, Appl	497	88.5	4.2	288	2	US-08-558-135-4	Sequence 4, Appl
425	90.5	4.3	1673	2	US-09-418-710-70	Sequence 70, Appl	498	88.5	4.2	288	2	US-08-819-286-3	Sequence 3, Appl
426	90.5	4.3	1673	2	US-09-839-479-69	Sequence 69, Appl	499	88.5	4.2	363	2	US-09-898-554-20	Sequence 20, Appl
427	90.5	4.3	2777	1	US-09-543-681A-6124	Sequence 6124, App	500	88.5	4.2	430	2	US-09-071-035-274	Sequence 274, App
428	90	4.3	112	1	US-08-933-750C-43	Sequence 43, Appl	501	88.5	4.2	430	2	US-10-206-576-274	Sequence 274, App
429	90	4.3	112	2	US-09-234-613-43	Sequence 43, Appl	502	88.5	4.2	466	2	US-10-104-047-2410	Sequence 2410, App
430	90	4.3	255	2	US-09-107-532A-6662	Sequence 6662, App	503	88.5	4.2	477	2	US-09-134-000C-6123	Sequence 6123, App
431	90	4.3	300	2	US-09-509-738C-2	Sequence 2, Appl	504	88.5	4.2	496	2	US-09-543-681A-6465	Sequence 6465, App
432	90	4.3	408	2	US-09-328-352-6550	Sequence 6550, App	505	88.5	4.2	559	2	US-09-487-558B-256	Sequence 256, App
433	90	4.3	534	2	US-09-103-664A-2	Sequence 2, Appl	506	88.5	4.2	592	2	US-09-248-796A-15425	Sequence 15425, A
434	90	4.3	556	2	US-09-248-796A-23187	Sequence 23187, A	507	88.5	4.2	629	2	US-09-300-909-19	Sequence 19, Appl
435	90	4.3	563	2	US-09-252-991A-31048	Sequence 31048, A	508	88.5	4.2	883	2	US-09-248-796A-18931	Sequence 18931, A
436	90	4.3	611	2	US-09-710-279-2596	Sequence 2596, App	509	88.5	4.2	885	2	US-09-710-279-1660	Sequence 1660, App
437	90	4.3	619	2	US-09-636-791A-15	Sequence 15, Appl	510	88.5	4.2	909	2	US-09-248-796A-16155	Sequence 16155, A
438	90	4.3	628	2	US-08-656-034-2	Sequence 2, Appl	511	88.5	4.2	915	2	US-09-907-794A-34	Sequence 34, Appl
439	90	4.3	714	2	US-09-438-185A-289	Sequence 289, App	512	88.5	4.2	915	2	US-09-905-125A-34	Sequence 34, Appl
440	90	4.3	793	2	US-09-949-016-8365	Sequence 8365, App	513	88.5	4.2	915	2	US-09-902-775A-34	Sequence 34, Appl
441	90	4.3	889	2	US-09-336-447A-15	Sequence 15, Appl	514	88.5	4.2	915	2	US-09-906-700-34	Sequence 34, Appl
442	90	4.3	889	2	US-09-952-267B-15	Sequence 15, Appl	515	88.5	4.2	915	2	US-09-903-603A-34	Sequence 34, Appl
443	90	4.3	903	1	US-08-021-601-12	Sequence 12, Appl	516	88.5	4.2	915	2	US-09-904-920A-34	Sequence 34, Appl
444	90	4.3	903	1	US-08-082-849B-12	Sequence 12, Appl	517	88.5	4.2	915	2	US-09-909-084-34	Sequence 34, Appl
445	90	4.3	903	5	PCT-US94-01624-12	Sequence 12, Appl	518	88.5	4.2	915	2	US-09-905-381A-34	Sequence 34, Appl
446	90	4.3	936	2	US-10-104-047-2621	Sequence 2621, App	519	88.5	4.2	915	2	US-09-906-618-34	Sequence 34, Appl
447	90	4.3	1674	2	US-09-418-710-1	Sequence 1, Appl	520	88.5	4.2	915	2	US-09-906-646-34	Sequence 34, Appl
448	90	4.3	1674	2	US-09-839-479-1	Sequence 1, Appl	521	88.5	4.2	915	2	US-09-904-462-34	Sequence 34, Appl
449	89.5	4.2	405	2	US-10-094-749-3191	Sequence 3191, App	522	88.5	4.2	915	2	US-09-902-736A-34	Sequence 34, Appl
450	89.5	4.2	409	2	US-09-248-796A-14525	Sequence 14525, A	523	88.5	4.2	915	2	US-09-906-722A-34	Sequence 34, Appl
451	89.5	4.2	454	2	US-09-679-263-12	Sequence 12, Appl	524	88.5	4.2	915	2	US-09-905-449-34	Sequence 34, Appl
452	89.5	4.2	454	2	US-09-134-000C-6535	Sequence 6535, App	525	88.5	4.2	915	2	US-09-903-562B-34	Sequence 34, Appl
453	89.5	4.2	540	2	US-10-094-749-1654	Sequence 1654, App	526	88.5	4.2	915	2	US-09-906-679A-34	Sequence 34, Appl
454	89.5	4.2	542	2	US-09-107-532A-4858	Sequence 4858, App	527	88.5	4.2	915	3	US-09-907-841-34	Sequence 34, Appl
455	89.5	4.2	570	2	US-09-134-001C-2972	Sequence 2972, App	528	88.5	4.2	949	2	US-09-252-991A-30776	Sequence 30776, A
456	89.5	4.2	644	2	US-09-300-909-18	Sequence 18, Appl	529	88.5	4.2	1001	2	US-09-060-410-2	Sequence 2, Appl
457	89.5	4.2	644	2	US-09-538-092-1357	Sequence 1357, App	530	88.5	4.2	1001	2	US-09-723-458-2	Sequence 2, Appl
458	89.5	4.2	675	2	US-09-332-063-3	Sequence 3, Appl	531	88.5	4.2	1128	2	US-08-923-992A-6	Sequence 6, Appl
459	89.5	4.2	713	2	US-09-949-016-10902	Sequence 10902, A	532	88.5	4.2	1128	2	US-08-923-992A-6	Sequence 6, Appl
460	89.5	4.2	775	2	US-09-248-796A-17675	Sequence 17675, A	533	88.5	4.2	1901	2	US-09-738-946-12	Sequence 12, Appl
461	89.5	4.2	1044	2	US-09-107-532A-5229	Sequence 5229, App	534	88	4.2	265	2	US-09-538-092-71	Sequence 71, Appl
462	89.5	4.2	1194	2	US-09-092-508-2	Sequence 2, Appl	535	88	4.2	319	2	US-09-270-767-57927	Sequence 57927, A
463	89.5	4.2	1194	2	US-09-435-115-2	Sequence 2, Appl	536	88	4.2	363	2	US-09-270-767-42613	Sequence 42613, A
464	89.5	4.2	1194	2	US-09-069-023-26	Sequence 26, Appl	537	88	4.2	498	2	US-09-198-452A-143	Sequence 143, App

538	88	4.2	526	2	US-09-538-092-408	Sequence 408, App	611	87	4.1	932	2	US-09-708-200-11	Sequence 11, Appl
539	88	4.2	599	2	US-09-352-990-10	Sequence 10, Appl	612	87	4.1	932	2	US-08-465-679-4	Sequence 4, Appl
540	88	4.2	799	2	US-09-248-796A-19295	Sequence 19295, A	613	87	4.1	932	2	US-09-788-657-17	Sequence 17, Appl
541	88	4.2	820	2	US-09-252-991A-23346	Sequence 23346, A	614	87	4.1	932	2	US-09-788-657-18	Sequence 18, Appl
542	88	4.2	941	2	US-09-336-447A-9	Sequence 9, Appl	615	87	4.1	932	2	US-09-712-691-9	Sequence 9, Appl
543	88	4.2	941	2	US-09-932-267B-9	Sequence 9, Appl	616	87	4.1	932	2	US-09-707-468C-9	Sequence 9, Appl
544	88	4.2	1002	2	US-09-762-724-4	Sequence 4, Appl	617	87	4.1	932	2	US-10-641-068-17	Sequence 17, Appl
545	88	4.2	1224	2	US-09-252-991A-32880	Sequence 32880, A	618	87	4.1	932	2	US-10-641-068-18	Sequence 18, Appl
546	88	4.2	1240	2	US-09-538-092-658	Sequence 658, App	619	87	4.1	932	2	US-09-760-285-18	Sequence 18, Appl
547	88	4.2	1244	2	US-09-949-016-11702	Sequence 11702, A	620	87	4.1	947	2	US-09-418-780A-1	Sequence 1, Appl
548	88	4.2	1516	2	US-09-949-016-6951	Sequence 6951, App	621	87	4.1	947	2	US-09-392-714-23	Sequence 23, Appl
549	88	4.2	1711	2	US-09-771-161A-219	Sequence 219, App	622	87	4.1	975	2	US-09-914-459-19	Sequence 19, Appl
550	88	4.2	1711	2	US-09-771-161A-220	Sequence 220, App	623	87	4.1	1003	2	US-09-198-452A-17	Sequence 17, Appl
551	87.5	4.1	257	2	US-09-328-352-7049	Sequence 7049, App	624	87	4.1	1030	2	US-09-134-001C-5178	Sequence 5178, A
552	87.5	4.1	284	2	US-09-914-359-52	Sequence 52, Appl	625	87	4.1	1038	2	US-09-248-796A-16051	Sequence 16051, A
553	87.5	4.1	335	2	US-09-248-796A-14317	Sequence 14317, A	626	87	4.1	1317	2	US-08-822-445-12	Sequence 12, Appl
554	87.5	4.1	342	2	US-09-543-681A-4728	Sequence 4728, App	627	87	4.1	1367	2	US-09-396-540-12	Sequence 12, Appl
555	87.5	4.1	401	2	US-09-533-029-80	Sequence 80, Appl	628	87	4.1	3801	1	US-08-822-445-10	Sequence 10, Appl
556	87.5	4.1	404	2	US-10-017-754-1932	Sequence 1932, App	629	87	4.1	3801	2	US-09-396-540-10	Sequence 10, Appl
557	87.5	4.1	461	2	US-09-949-016-6393	Sequence 6393, App	630	86.5	4.1	334	2	US-09-248-796A-20010	Sequence 20010, A
558	87.5	4.1	464	2	US-10-017-754-1934	Sequence 1934, App	631	86.5	4.1	401	2	US-10-104-047-2680	Sequence 2680, App
559	87.5	4.1	464	2	US-10-104-047-3563	Sequence 3563, App	632	86.5	4.1	422	2	US-09-949-016-7927	Sequence 7927, App
560	87.5	4.1	489	2	US-09-248-796A-19030	Sequence 19030, A	633	86.5	4.1	441	2	US-08-630-915A-34	Sequence 34, Appl
561	87.5	4.1	529	2	US-09-248-796A-16357	Sequence 16357, A	634	86.5	4.1	441	2	US-09-879-357-34	Sequence 34, Appl
562	87.5	4.1	556	3	US-10-012-896-1005	Sequence 1005, App	635	86.5	4.1	452	2	US-09-889-738-21	Sequence 21, Appl
563	87.5	4.1	556	3	US-10-144-678A-1005	Sequence 1005, App	636	86.5	4.1	568	2	US-09-949-016-6339	Sequence 6339, App
564	87.5	4.1	564	2	US-10-012-819-90	Sequence 90, Appl	637	86.5	4.1	568	2	US-08-813-323C-2	Sequence 2, Appl
565	87.5	4.1	600	2	US-10-104-047-3845	Sequence 3845, App	638	86.5	4.1	629	2	US-10-104-047-3226	Sequence 3226, App
566	87.5	4.1	644	2	US-09-710-279-1436	Sequence 1436, App	639	86.5	4.1	643	3	US-09-602-864-13	Sequence 13, Appl
567	87.5	4.1	708	2	US-08-235-836C-76	Sequence 76, Appl	640	86.5	4.1	643	3	US-10-032-162-13	Sequence 13, Appl
568	87.5	4.1	708	3	US-10-369-100A-76	Sequence 76, Appl	641	86.5	4.1	712	1	US-09-438-185A-587	Sequence 587, App
569	87.5	4.1	770	2	US-09-538-092-1265	Sequence 1265, App	642	86.5	4.1	712	1	US-08-468-576B-17	Sequence 17, Appl
570	87.5	4.1	822	2	US-09-886-319A-64	Sequence 64, Appl	643	86.5	4.1	712	1	US-08-468-579B-17	Sequence 17, Appl
571	87.5	4.1	822	2	US-09-538-092-941	Sequence 941, App	644	86.5	4.1	712	1	US-08-468-579B-17	Sequence 17, Appl
572	87.5	4.1	853	2	US-08-913-880C-17	Sequence 17, Appl	645	86.5	4.1	740	1	US-08-257-073-5	Sequence 5, Appl
573	87.5	4.1	855	2	US-09-107-532A-5646	Sequence 5646, App	646	86.5	4.1	786	2	US-09-688-188B-23	Sequence 23, Appl
574	87.5	4.1	855	2	US-09-248-796A-18667	Sequence 18667, A	647	86.5	4.1	786	2	US-09-291-417D-23	Sequence 23, Appl
575	87.5	4.1	858	2	US-08-913-880C-16	Sequence 16, Appl	648	86.5	4.1	1001	2	US-09-688-188B-31	Sequence 31, Appl
576	87.5	4.1	860	2	US-08-913-880C-15	Sequence 15, Appl	649	86.5	4.1	1001	2	US-09-291-417D-31	Sequence 31, Appl
577	87.5	4.1	862	2	US-08-913-880C-14	Sequence 14, Appl	650	86.5	4.1	1068	2	US-09-085-199B-11	Sequence 11, Appl
578	87.5	4.1	865	2	US-08-913-880C-13	Sequence 13, Appl	651	86.5	4.1	1341	2	US-09-248-796A-19074	Sequence 19074, A
579	87.5	4.1	866	2	US-09-913-880C-12	Sequence 12, Appl	652	86.5	4.1	1399	2	US-09-134-000C-5178	Sequence 5178, App
580	87.5	4.1	874	2	US-08-913-880C-11	Sequence 11, Appl	653	86.5	4.1	8991	2	US-08-714-741-32	Sequence 32, Appl
581	87.5	4.1	875	2	US-08-913-880C-10	Sequence 10, Appl	654	86	4.1	259	2	US-09-509-738C-25	Sequence 25, Appl
582	87.5	4.1	892	2	US-09-336-467A-5	Sequence 5, Appl	655	86	4.1	289	2	US-09-248-796A-14344	Sequence 14344, A
583	87.5	4.1	892	2	US-09-952-267B-5	Sequence 5, Appl	656	86	4.1	369	2	US-09-949-016-7624	Sequence 7624, App
584	87.5	4.1	916	2	US-10-104-047-2297	Sequence 2297, App	657	86	4.1	389	2	US-09-248-796A-17305	Sequence 17305, A
585	87.5	4.1	916	3	US-09-430-590E-22	Sequence 22, Appl	658	86	4.1	407	2	US-09-198-452A-805	Sequence 805, App
586	87.5	4.1	916	3	US-09-430-590E-114	Sequence 114, App	659	86	4.1	407	2	US-09-438-185A-757	Sequence 757, App
587	87.5	4.1	1239	2	US-10-076-622-577	Sequence 577, App	660	86	4.1	423	2	US-09-538-092-438	Sequence 438, App
588	87.5	4.1	1239	2	US-10-124-805-577	Sequence 577, App	661	86	4.1	423	2	US-09-538-092-438	Sequence 438, App
589	87.5	4.1	1312	1	US-08-592-126-148	Sequence 148, App	662	86	4.1	449	2	US-09-248-796A-19384	Sequence 19384, A
590	87.5	4.1	1312	1	US-08-687-080-51	Sequence 51, Appl	663	86	4.1	449	2	US-09-248-796A-18784	Sequence 18784, A
591	87.5	4.1	1312	2	US-09-168-595-148	Sequence 148, App	664	86	4.1	524	2	US-09-642-000-2	Sequence 2, Appl
592	87.5	4.1	1315	2	US-08-913-880C-1	Sequence 1, Appl	665	86	4.1	524	3	US-09-242-313B-15	Sequence 15, Appl
593	87.5	4.1	1405	2	US-09-438-185A-566	Sequence 566, App	666	86	4.1	524	3	US-10-347-252-15	Sequence 15, Appl
594	87.5	4.1	1942	2	US-09-949-016-8135	Sequence 8135, App	667	86	4.1	654	2	US-09-949-016-8841	Sequence 8841, App
595	87.5	4.1	2375	2	US-09-538-092-1131	Sequence 1131, App	668	86	4.1	654	2	US-09-949-016-8842	Sequence 8842, App
596	87	4.1	246	2	US-09-538-092-12509	Sequence 12509, A	669	86	4.1	713	2	US-09-059-584-49	Sequence 49, Appl
597	87	4.1	263	1	US-08-393-985-23	Sequence 23, Appl	670	86	4.1	716	2	US-09-219-583A-20	Sequence 20, Appl
598	87	4.1	448	2	US-09-248-796A-20279	Sequence 20279, A	671	86	4.1	716	2	US-10-114-774-20	Sequence 20, Appl
599	87	4.1	486	2	US-09-270-767-41521	Sequence 41521, A	672	86	4.1	746	1	US-08-838-219B-6	Sequence 6, Appl
600	87	4.1	563	2	US-09-134-001C-2916	Sequence 2916, App	673	86	4.1	746	2	US-09-233-336A-6	Sequence 6, Appl
601	87	4.1	569	2	US-09-489-039A-12509	Sequence 12509, A	674	86	4.1	746	2	US-09-233-336A-6	Sequence 6, Appl
602	87	4.1	572	2	US-09-602-777A-68	Sequence 68, Appl	675	86	4.1	746	2	US-09-402-016-6	Sequence 6, Appl
603	87	4.1	584	2	US-09-602-777A-66	Sequence 66, Appl	676	86	4.1	746	2	US-09-904-226-6	Sequence 6, Appl
604	87	4.1	623	2	US-10-104-047-2547	Sequence 2547, App	677	86	4.1	822	2	US-09-248-796A-19917	Sequence 19917, A
605	87	4.1	861	2	US-10-107-532A-5985	Sequence 5985, App	678	86	4.1	962	3	US-10-627-311-3	Sequence 3, Appl
606	87	4.1	885	2	US-09-074-579-5	Sequence 5, Appl	679	86	4.1	1031	2	US-09-248-796A-16973	Sequence 24, Appl
607	87	4.1	885	2	US-09-388-774-5	Sequence 5, Appl	680	86	4.1	1031	2	US-09-914-259-24	Sequence 24, Appl
608	87	4.1	921	2	US-09-949-016-7787	Sequence 7787, App	681	86	4.1	1402	2	US-09-248-796A-14503	Sequence 4, Appl
609	87	4.1	932	2	US-08-294-312B-4	Sequence 4, Appl	682	86	4.1	1589	2	US-09-356-952-4	Sequence 4, Appl
610	87	4.1	932	2	US-08-468-024B-4	Sequence 4, Appl	683	86	4.1	1589	2	US-09-487-558B-64	Sequence 64, Appl
										2124	2	US-09-538-092-1377	Sequence 1377, App

684	85.5	4.1	187	2	US-09-830-230A-640	Sequence 640, App	757	84.5	4.0	461	2	US-09-171-156A-27	Sequence 27, Appl
685	85.5	4.1	208	2	US-09-830-230A-639	Sequence 639, App	758	84.5	4.0	461	2	US-09-004-730A-27	Sequence 27, Appl
686	85.5	4.1	300	2	US-10-111-109A-2	Sequence 2, Appl	759	84.5	4.0	461	2	US-08-981-799A-27	Sequence 27, Appl
687	85.5	4.1	312	2	US-09-270-767-42365	Sequence 42365, A	760	84.5	4.0	461	2	US-09-248-796A-15217	Sequence 15217, A
688	85.5	4.1	324	2	US-09-710-279-640	Sequence 640, App	761	84.5	4.0	477	2	US-09-248-796A-19892	Sequence 19892, A
689	85.5	4.1	380	2	US-09-125-031C-12	Sequence 12, Appl	762	84.5	4.0	484	2	US-10-104-047-3381	Sequence 3381, App
690	85.5	4.1	464	2	US-09-583-110-3968	Sequence 3968, App	763	84.5	4.0	491	2	US-08-740-223A-13	Sequence 13, Appl
691	85.5	4.1	468	2	US-09-107-433-4005	Sequence 4005, App	764	84.5	4.0	491	2	US-09-709-188-13	Sequence 13, Appl
692	85.5	4.1	490	2	US-09-976-594-314	Sequence 314, App	765	84.5	4.0	491	2	US-10-225-060-13	Sequence 13, Appl
693	85.5	4.1	490	2	US-09-905-999-23	Sequence 23, Appl	766	84.5	4.0	501	2	US-09-248-796A-16289	Sequence 16289, A
694	85.5	4.1	503	2	US-09-543-681A-7512	Sequence 7512, App	767	84.5	4.0	552	2	US-09-710-279-1182	Sequence 1182, App
695	85.5	4.1	508	2	US-09-949-016-8519	Sequence 8519, App	768	84.5	4.0	657	2	US-10-104-047-2005	Sequence 2005, App
696	85.5	4.1	508	2	US-09-949-016-8520	Sequence 8520, App	769	84.5	4.0	694	2	US-09-949-016-7117	Sequence 7117, App
697	85.5	4.1	508	2	US-09-769-787-102	Sequence 102, App	770	84.5	4.0	736	2	US-09-134-001C-3655	Sequence 3655, App
698	85.5	4.1	515	2	US-09-248-796A-20270	Sequence 20270, A	771	84.5	4.0	737	2	US-09-583-110-4156	Sequence 4156, App
699	85.5	4.1	548	2	US-09-352-990-12	Sequence 12, Appl	772	84.5	4.0	751	2	US-09-107-433-4728	Sequence 4728, App
700	85.5	4.1	555	2	US-09-489-039A-10752	Sequence 10752, A	773	84.5	4.0	790	2	US-09-538-092-135	Sequence 125, App
701	85.5	4.1	586	2	US-09-270-767-44444	Sequence 44444, A	774	84.5	4.0	867	2	US-09-540-236-2876	Sequence 2676, App
702	85.5	4.1	608	2	US-09-315-793-22	Sequence 22, Appl	775	84.5	4.0	910	2	US-09-623-326-8	Sequence 8, Appl
703	85.5	4.1	614	2	US-09-583-110-5301	Sequence 5301, App	776	84.5	4.0	956	2	US-09-949-016-6215	Sequence 6215, App
704	85.5	4.1	622	2	US-10-094-749-2094	Sequence 2094, App	777	84.5	4.0	959	3	US-10-000-512-10	Sequence 10, Appl
705	85.5	4.1	627	2	US-09-107-433-4648	Sequence 4648, App	778	84.5	4.0	1004	2	US-09-767-215-2	Sequence 2, Appl
706	85.5	4.1	640	2	US-09-949-016-7992	Sequence 7992, App	779	84.5	4.0	1106	2	US-09-248-796A-15028	Sequence 15028, A
707	85.5	4.1	640	2	US-10-172-502-16	Sequence 16, Appl	780	84.5	4.0	1125	2	US-09-900-920-60	Sequence 60, Appl
708	85.5	4.1	677	2	US-09-328-352-4365	Sequence 4365, App	781	84.5	4.0	1139	2	US-09-914-259-68	Sequence 68, Appl
709	85.5	4.1	688	2	US-10-094-749-1928	Sequence 1928, App	782	84.5	4.0	1201	2	US-09-098-901-2	Sequence 2, Appl
710	85.5	4.1	695	1	US-08-127-499A-23	Sequence 23, Appl	783	84.5	4.0	1201	2	US-09-328-352-5990	Sequence 5890, App
711	85.5	4.1	695	1	US-08-482-847-23	Sequence 23, Appl	784	84.5	4.0	1786	2	US-08-973-462-8	Sequence 8, Appl
712	85.5	4.1	748	2	US-09-688-188B-24	Sequence 24, Appl	785	84.5	4.0	1960	2	US-09-538-092-1077	Sequence 1077, App
713	85.5	4.1	748	2	US-09-291-417D-24	Sequence 24, Appl	786	84.5	4.0	1960	2	US-09-949-016-10872	Sequence 10872, A
714	85.5	4.1	841	2	US-09-270-767-42870	Sequence 42870, A	787	84	4.0	335	2	US-09-248-796A-15860	Sequence 15860, A
715	85.5	4.1	862	2	US-09-665-479A-14	Sequence 14, Appl	788	84	4.0	346	2	US-09-830-230A-683	Sequence 684, App
716	85.5	4.1	956	2	US-08-772-270A-8	Sequence 8, Appl	789	84	4.0	373	2	US-09-134-001C-4669	Sequence 4669, App
717	85.5	4.1	956	2	US-09-062-126-8	Sequence 8, Appl	790	84	4.0	384	2	US-09-134-001C-5109	Sequence 5109, App
718	85.5	4.1	1003	2	US-09-438-185A-8	Sequence 8, Appl	791	84	4.0	399	2	US-09-134-000C-1309	Sequence 13321, A
719	85.5	4.1	1509	2	US-09-676-519-27	Sequence 27, Appl	792	84	4.0	422	2	US-09-248-796A-18321	Sequence 18796, A
720	85	4.0	438	2	US-09-198-452A-985	Sequence 985, App	793	84	4.0	482	2	US-09-248-796A-18796	Sequence 18796, A
721	85	4.0	442	3	US-10-016-768A-8	Sequence 8, Appl	794	84	4.0	519	2	US-09-583-110-4513	Sequence 4513, App
722	85	4.0	444	2	US-09-248-796A-19173	Sequence 19173, A	795	84	4.0	533	2	US-09-107-433-4029	Sequence 4029, App
723	85	4.0	481	2	US-09-830-230A-546	Sequence 546, App	796	84	4.0	539	2	US-09-157-257-6	Sequence 6, Appl
724	85	4.0	497	2	US-09-830-230A-545	Sequence 545, App	797	84	4.0	548	2	US-09-438-185A-914	Sequence 914, App
725	85	4.0	498	2	US-09-438-185A-126	Sequence 126, App	798	84	4.0	548	2	US-08-658-034-10	Sequence 10, Appl
726	85	4.0	518	2	US-09-248-796A-14971	Sequence 14971, A	799	84	4.0	563	2	US-10-104-047-3625	Sequence 3625, App
727	85	4.0	643	1	US-08-245-511-47	Sequence 47, Appl	800	84	4.0	607	2	US-09-248-796A-19157	Sequence 19157, A
728	85	4.0	643	1	US-08-600-993A-47	Sequence 47, Appl	801	84	4.0	632	2	US-09-248-796A-19230	Sequence 19230, A
729	85	4.0	659	2	US-09-248-796A-24809	Sequence 24809, A	802	84	4.0	636	2	US-09-543-681A-4558	Sequence 4558, App
730	85	4.0	667	2	US-09-248-796A-14492	Sequence 14492, A	803	84	4.0	649	2	US-09-949-016-10147	Sequence 10147, A
731	85	4.0	682	2	US-09-949-016-9674	Sequence 9674, App	804	84	4.0	660	2	US-09-248-796A-14578	Sequence 14578, A
732	85	4.0	734	2	US-09-949-016-6415	Sequence 6415, App	805	84	4.0	663	2	US-10-080-960-14	Sequence 14, Appl
733	85	4.0	756	2	US-09-949-016-10453	Sequence 10453, A	806	84	4.0	684	2	US-10-104-047-2418	Sequence 2418, App
734	85	4.0	774	2	US-09-538-092-591	Sequence 591, App	807	84	4.0	700	1	US-07-720-589-2	Sequence 2, Appl
735	85	4.0	919	2	US-09-248-796A-19408	Sequence 19408, A	808	84	4.0	700	1	US-08-785-190-2	Sequence 2, Appl
736	85	4.0	1057	2	US-09-541-782-10	Sequence 10, Appl	809	84	4.0	700	2	US-08-235-836C-66	Sequence 66, Appl
737	85	4.0	1057	2	US-09-723-820-10	Sequence 10, Appl	810	84	4.0	700	3	US-10-363-100A-66	Sequence 66, Appl
738	85	4.0	1057	2	US-10-270-085-10	Sequence 10, Appl	811	84	4.0	725	5	PCT-US92-05539-2	Sequence 2, Appl
739	85	4.0	1069	1	US-07-777-715-9	Sequence 9, Appl	812	84	4.0	725	2	US-09-685-010-47	Sequence 47, Appl
740	85	4.0	1069	2	US-08-170-126-4	Sequence 4, Appl	813	84	4.0	729	2	US-09-949-016-6686	Sequence 6686, App
741	85	4.0	1069	2	US-08-954-418-4	Sequence 4, Appl	814	84	4.0	755	2	US-09-107-532A-3693	Sequence 3693, App
742	85	4.0	1112	2	US-09-949-016-8006	Sequence 8006, App	815	84	4.0	786	2	US-09-248-796A-15288	Sequence 15288, A
743	85	4.0	1126	2	US-09-107-532A-3944	Sequence 3944, App	816	84	4.0	830	2	US-09-107-433-4309	Sequence 4309, App
744	85	4.0	1228	2	US-09-949-016-6805	Sequence 6805, App	817	84	4.0	838	2	US-09-583-110-5225	Sequence 5225, App
745	85	4.0	1236	2	US-09-949-016-10398	Sequence 10398, A	818	84	4.0	1024	2	US-09-583-110-5225	Sequence 44973, A
746	85	4.0	2184	2	US-09-417-485D-6	Sequence 6, Appl	819	84	4.0	1053	2	US-09-724-519-2	Sequence 2, Appl
747	85	4.0	2474	2	US-08-265-967C-3	Sequence 3, Appl	820	84	4.0	1053	2	US-09-592-037-2	Sequence 2, Appl
748	85	4.0	2474	2	US-08-305-790B-4	Sequence 4, Appl	821	84	4.0	1507	2	US-09-914-259-37	Sequence 37, Appl
749	84.5	4.0	386	2	US-10-176-88A-13	Sequence 13, Appl	822	84	4.0	1683	2	US-08-755-587-183	Sequence 183, App
750	84.5	4.0	418	2	US-10-104-047-2285	Sequence 2285, App	823	84	4.0	1729	2	US-10-037-417-72	Sequence 72, Appl
751	84.5	4.0	433	2	US-09-345-236B-43	Sequence 43, App	824	84	4.0	1738	2	US-09-976-594-76	Sequence 824, App
752	84.5	4.0	436	2	US-09-554-080A-2	Sequence 2, Appl	825	84	4.0	1740	2	US-09-538-092-824	Sequence 8860, App
753	84.5	4.0	448	2	US-10-104-047-3437	Sequence 3437, App	826	84	4.0	1740	2	US-09-949-016-8860	Sequence 11650, A
754	84.5	4.0	454	2	US-10-107-532A-4860	Sequence 4860, App	827	84	4.0	2404	2	US-09-949-016-11690	Sequence 11691, A
755	84.5	4.0	461	1	US-08-630-822A-68	Sequence 68, Appl	828	84	4.0	2404	2	US-09-949-016-11691	Sequence 11691, A
756	84.5	4.0	461	1	US-09-005-069-68	Sequence 68, Appl	829	84	4.0	2972	2	US-09-579-181-2	Sequence 2, Appl

830	84	4.0	3118	2	US-09-579-181-1	Sequence 1, Appli	903	83.5	4.0	838	2	US-09-468-656A-4	Sequence 4, Appli
831	83.5	4.0	254	2	US-09-134-000C-5881	Sequence 5881, Ap	904	83.5	4.0	873	2	US-09-540-824-28	Sequence 28, Appl
832	83.5	4.0	311	2	US-09-248-796A-24157	Sequence 24157, A	905	83.5	4.0	897	2	US-09-543-681A-4249	Sequence 4249, Ap
833	83.5	4.0	340	2	US-09-949-016-9020	Sequence 9020, Ap	906	83.5	4.0	963	2	US-09-914-259-20	Sequence 20, Appl
834	83.5	4.0	356	2	US-09-107-532A-5906	Sequence 5906, Ap	907	83.5	4.0	963	2	US-09-538-032-1060	Sequence 1060, Ap
835	83.5	4.0	384	1	US-08-220-958-2	Sequence 2, Appli	908	83.5	4.0	968	2	US-08-417-137-49	Sequence 49, Appl
836	83.5	4.0	384	2	US-09-071-035-276	Sequence 276, App	909	83.5	4.0	970	2	US-09-417-197-67	Sequence 67, Appl
837	83.5	4.0	384	2	US-10-206-576-276	Sequence 276, App	910	83.5	4.0	982	2	US-09-248-796A-20628	Sequence 20628, A
838	83.5	4.0	433	2	US-09-248-796A-19799	Sequence 19799, A	911	83.5	4.0	1002	2	US-09-620-405B-475	Sequence 475, App
839	83.5	4.0	491	2	US-09-314-268-3	Sequence 3, Appli	912	83.5	4.0	1002	2	US-09-604-287A-475	Sequence 475, App
840	83.5	4.0	502	2	US-09-796-202-16	Sequence 16, Appl	913	83.5	4.0	1002	2	US-09-834-759-475	Sequence 475, App
841	83.5	4.0	502	2	US-10-323-314-16	Sequence 16, Appl	914	83.5	4.0	1002	2	US-09-590-751A-475	Sequence 475, App
842	83.5	4.0	507	1	US-08-037-816A-16	Sequence 16, Appl	915	83.5	4.0	1002	2	US-09-551-621-475	Sequence 475, App
843	83.5	4.0	507	1	US-08-037-816A-28	Sequence 28, Appl	916	83.5	4.0	1002	2	US-09-551-621A-475	Sequence 475, App
844	83.5	4.0	507	1	US-08-530-146-16	Sequence 16, Appl	917	83.5	4.0	1002	2	US-10-076-622-475	Sequence 475, App
845	83.5	4.0	507	1	US-08-530-146-28	Sequence 28, Appl	918	83.5	4.0	1002	2	US-10-124-805-475	Sequence 475, App
846	83.5	4.0	524	2	US-09-270-767-39512	Sequence 39512, A	919	83.5	4.0	1095	2	US-09-620-405B-493	Sequence 493, App
847	83.5	4.0	524	2	US-09-270-767-54729	Sequence 54729, A	920	83.5	4.0	1095	2	US-09-834-759-493	Sequence 493, App
848	83.5	4.0	538	2	US-10-094-749-2659	Sequence 2659, Ap	921	83.5	4.0	1095	2	US-10-076-622-493	Sequence 493, App
849	83.5	4.0	545	2	US-09-949-016-6469	Sequence 6469, Ap	922	83.5	4.0	1095	2	US-10-124-805-493	Sequence 493, App
850	83.5	4.0	558	2	US-09-949-016-7736	Sequence 7736, Ap	923	83.5	4.0	1147	2	US-09-538-092-1074	Sequence 1074, Ap
851	83.5	4.0	583	2	US-09-710-279-1358	Sequence 1358, Ap	924	83.5	4.0	1201	2	US-09-252-991A-32259	Sequence 32259, A
852	83.5	4.0	594	2	US-10-104-047-3281	Sequence 3281, Ap	925	83.5	4.0	1276	2	US-08-704-159-56	Sequence 66, Appl
853	83.5	4.0	638	2	US-09-949-016-10708	Sequence 10708, A	926	83.5	4.0	1312	2	US-09-345-882-29	Sequence 29, Appl
854	83.5	4.0	650	2	US-09-620-405B-469	Sequence 469, App	927	83.5	4.0	1312	2	US-10-071-179-29	Sequence 29, Appl
855	83.5	4.0	650	2	US-09-433-826B-469	Sequence 469, App	928	83.5	4.0	1341	2	US-09-602-362B-23	Sequence 23, Appl
856	83.5	4.0	650	2	US-09-604-287A-469	Sequence 469, App	929	83.5	4.0	1341	2	US-10-076-622-565	Sequence 565, App
857	83.5	4.0	650	2	US-09-834-759-469	Sequence 469, App	930	83.5	4.0	1341	2	US-10-124-805-565	Sequence 565, App
858	83.5	4.0	650	2	US-09-590-751A-469	Sequence 469, App	931	83.5	4.0	1349	2	US-10-076-622-573	Sequence 573, App
859	83.5	4.0	650	2	US-09-551-621-469	Sequence 469, App	932	83.5	4.0	1349	2	US-10-124-805-573	Sequence 573, App
860	83.5	4.0	650	2	US-09-551-621A-469	Sequence 469, App	933	83.5	4.0	1353	2	US-10-098-108-2	Sequence 2, Appli
861	83.5	4.0	650	2	US-10-076-622-469	Sequence 469, App	934	83.5	4.0	1536	2	US-09-487-558B-322	Sequence 322, App
862	83.5	4.0	650	2	US-10-124-805-469	Sequence 469, App	935	83.5	4.0	1560	2	US-09-264-512B-2	Sequence 2, Appli
863	83.5	4.0	673	2	US-09-248-796A-19590	Sequence 19590, A	936	83	3.9	206	2	US-09-248-796A-14304	Sequence 14304, A
864	83.5	4.0	724	1	US-07-908-349A-5	Sequence 5, Appli	937	83	3.9	209	2	US-09-543-681A-7657	Sequence 7657, Ap
865	83.5	4.0	724	1	US-08-167-035-2	Sequence 2, Appli	938	83	3.9	221	2	US-09-978-309A-75	Sequence 75, Appl
866	83.5	4.0	724	1	US-08-208-887A-2	Sequence 2, Appli	939	83	3.9	300	2	US-09-134-001C-5326	Sequence 5326, Ap
867	83.5	4.0	724	1	US-08-539-005-2	Sequence 2, Appli	940	83	3.9	327	2	US-09-512-563C-16	Sequence 16, Appl
868	83.5	4.0	724	1	US-09-280-598-5	Sequence 5, Appli	941	83	3.9	327	2	US-10-060-607-16	Sequence 16, Appl
869	83.5	4.0	736	2	US-09-457-040B-26	Sequence 26, Appl	942	83	3.9	332	2	US-09-978-309A-73	Sequence 73, Appl
870	83.5	4.0	743	2	US-09-620-405B-494	Sequence 494, App	943	83	3.9	352	2	US-09-248-796A-18408	Sequence 18408, A
871	83.5	4.0	743	2	US-09-834-759-494	Sequence 494, App	944	83	3.9	354	2	US-09-248-796A-14436	Sequence 14436, A
872	83.5	4.0	743	2	US-10-076-622-494	Sequence 494, App	945	83	3.9	425	2	US-09-538-092-1366	Sequence 1366, Ap
873	83.5	4.0	743	2	US-10-124-805-494	Sequence 494, App	946	83	3.9	447	2	US-09-394-142B-24	Sequence 24, Appl
874	83.5	4.0	744	2	US-09-925-637-72	Sequence 72, Appl	947	83	3.9	447	1	US-09-949-016-6560	Sequence 6560, Ap
875	83.5	4.0	752	2	US-09-917-254-70	Sequence 70, Appl	948	83	3.9	461	1	US-08-392-625-24	Sequence 24, Appl
876	83.5	4.0	789	1	US-08-471-033-29	Sequence 29, Appl	949	83	3.9	461	1	US-08-466-961A-24	Sequence 24, Appl
877	83.5	4.0	789	1	US-08-471-044-29	Sequence 29, Appl	950	83	3.9	461	1	US-08-645-133B-22	Sequence 22, Appl
878	83.5	4.0	789	1	US-08-463-483A-29	Sequence 29, Appl	951	83	3.9	462	2	US-09-809-545A-26	Sequence 26, Appl
879	83.5	4.0	789	1	US-08-471-046A-29	Sequence 29, Appl	952	83	3.9	480	2	US-09-949-016-8233	Sequence 8233, Ap
880	83.5	4.0	789	1	US-08-470-566B-29	Sequence 29, Appl	953	83	3.9	552	2	US-09-248-796A-15923	Sequence 15923, A
881	83.5	4.0	789	1	US-08-838-219B-2	Sequence 2, Appli	954	83	3.9	566	2	US-09-949-016-7448	Sequence 7448, Ap
882	83.5	4.0	789	1	US-08-463-334-29	Sequence 29, Appl	955	83	3.9	568	2	US-09-134-001C-3768	Sequence 3768, Ap
883	83.5	4.0	789	2	US-09-300-529-29	Sequence 29, Appl	956	83	3.9	610	1	US-08-455-073A-2	Sequence 2, Appli
884	83.5	4.0	789	2	US-09-233-336A-2	Sequence 2, Appli	957	83	3.9	655	2	US-09-949-016-6759	Sequence 6759, Ap
885	83.5	4.0	789	2	US-09-233-336A-2	Sequence 2, Appli	958	83	3.9	658	2	US-09-248-796A-20278	Sequence 20278, A
886	83.5	4.0	789	2	US-09-402-036-2	Sequence 2, Appli	959	83	3.9	669	2	US-09-949-016-10241	Sequence 10241, A
887	83.5	4.0	789	2	US-09-002-285-78	Sequence 78, Appl	960	83	3.9	745	2	US-09-710-279-1500	Sequence 1500, Ap
888	83.5	4.0	789	2	US-09-002-285-94	Sequence 94, Appl	961	83	3.9	789	1	US-08-471-033-32	Sequence 32, Appl
889	83.5	4.0	789	2	US-09-002-285-96	Sequence 96, Appl	962	83	3.9	789	1	US-08-471-044-32	Sequence 32, Appl
890	83.5	4.0	789	2	US-09-904-226-2	Sequence 2, Appli	963	83	3.9	789	1	US-08-463-483A-32	Sequence 32, Appl
891	83.5	4.0	789	2	US-09-589-477-78	Sequence 78, Appl	964	83	3.9	789	1	US-08-470-566B-32	Sequence 32, Appl
892	83.5	4.0	789	2	US-09-589-477-94	Sequence 94, Appl	965	83	3.9	789	1	US-08-838-219B-4	Sequence 4, Appli
893	83.5	4.0	789	2	US-09-589-477-96	Sequence 96, Appl	966	83	3.9	789	1	US-08-469-334-32	Sequence 32, Appl
894	83.5	4.0	789	2	US-10-099-285A-78	Sequence 78, Appl	967	83	3.9	789	1	US-08-300-529-32	Sequence 32, Appl
895	83.5	4.0	789	2	US-10-099-285A-94	Sequence 94, Appl	968	83	3.9	789	2	US-09-233-336A-4	Sequence 4, Appli
896	83.5	4.0	789	2	US-10-099-285A-96	Sequence 96, Appl	969	83	3.9	789	2	US-09-233-336A-4	Sequence 4, Appli
897	83.5	4.0	790	2	US-08-960-780-8	Sequence 8, Appli	970	83	3.9	789	2	US-09-402-036-4	Sequence 4, Appli
898	83.5	4.0	790	2	US-09-073-898-8	Sequence 8, Appli	971	83	3.9	789	2	US-09-904-226-4	Sequence 4, Appli
899	83.5	4.0	790	2	US-09-307-106-2	Sequence 2, Appli	972	83	3.9	789	2	US-09-949-016-9432	Sequence 9432, Ap
900	83.5	4.0	790	2	US-09-850-351A-8	Sequence 8, Appli	973	83	3.9	817	2	US-09-248-796A-20276	Sequence 20276, A
901	83.5	4.0	799	2	US-10-104-047-2929	Sequence 2929, Ap	974	83	3.9	834	2	US-09-187-999-11	Sequence 11, Appl
902	83.5	4.0	817	2	US-09-949-016-7491	Sequence 7491, Ap	975	83	3.9				

976	83	3.9	868	1	US-08-162-081B-33	Sequence 33, Appl	1049	82	3.9	585	2	US-09-462-951B-1	Sequence 1, Appl
977	83	3.9	868	1	US-08-780-872-33	Sequence 33, Appl	1050	82	3.9	602	2	US-10-094-749-2246	Sequence 2246, Ap
978	83	3.9	868	2	US-09-085-957-33	Sequence 33, Appl	1051	82	3.9	608	1	US-08-766-014-3	Sequence 3, Appl
979	83	3.9	963	2	US-09-949-016-11519	Sequence 11519, A	1052	82	3.9	628	2	US-09-828-447-12	Sequence 12, Appl
980	83	3.9	963	2	US-09-949-016-11519	Sequence 11519, A	1053	82	3.9	641	2	US-09-270-767-44970	Sequence 44970, A
981	83	3.9	963	2	US-09-134-001C-3814	Sequence 3814, Ap	1054	82	3.9	660	2	US-10-197-220-139	Sequence 139, App
982	83	3.9	1462	2	US-09-538-092-1043	Sequence 1043, Ap	1055	82	3.9	694	2	US-09-830-230A-590	Sequence 300, App
983	83	3.9	1462	2	US-09-949-002-381	Sequence 381, App	1056	82	3.9	714	2	US-09-198-452A-300	Sequence 590, App
984	83	3.9	1542	2	US-09-949-002-495	Sequence 495, App	1057	82	3.9	717	2	US-09-830-230A-589	Sequence 589, App
985	83	3.9	1542	2	US-09-949-016-9215	Sequence 9215, Ap	1058	82	3.9	781	2	US-10-094-743-2312	Sequence 2312, Ap
986	83	3.9	1627	2	US-09-328-352-6604	Sequence 6604, Ap	1059	82	3.9	806	2	US-09-976-594-321	Sequence 321, App
987	83	3.9	1627	2	US-09-328-352-6604	Sequence 6604, Ap	1060	82	3.9	810	2	US-09-583-110-4352	Sequence 4352, Ap
988	83	3.9	1804	2	US-09-362-336A-4	Sequence 4, Appl	1061	82	3.9	816	2	US-09-107-433-4504	Sequence 4504, Ap
989	83	3.9	2074	2	US-09-491-356C-9	Sequence 9, Appl	1062	82	3.9	867	2	US-10-197-220-109	Sequence 109, App
990	83	3.9	3433	2	US-09-091-501B-10	Sequence 10, Appl	1063	82	3.9	873	2	US-09-336-447A-13	Sequence 13, Appl
991	82.5	3.9	384	2	US-09-538-092-860	Sequence 860, App	1064	82	3.9	873	2	US-09-952-267B-13	Sequence 13, Appl
992	82.5	3.9	306	2	US-09-248-796A-21212	Sequence 21212, A	1065	82	3.9	876	2	US-09-605-703B-1640	Sequence 1640, Ap
993	82.5	3.9	343	2	US-09-107-532A-4619	Sequence 4619, Ap	1066	82	3.9	913	2	US-08-971-089-4	Sequence 4, Appl
994	82.5	3.9	346	2	US-09-949-016-7530	Sequence 7530, Ap	1067	82	3.9	913	2	US-10-117-604A-4	Sequence 4, Appl
995	82.5	3.9	346	2	US-09-902-540-12787	Sequence 12787, A	1068	82	3.9	961	2	US-09-914-259-66	Sequence 66, Appl
996	82.5	3.9	372	2	US-09-971-020A-7	Sequence 7, Appl	1069	82	3.9	982	2	US-09-688-188B-90	Sequence 90, Appl
997	82.5	3.9	412	2	US-09-248-796A-26531	Sequence 26531, A	1070	82	3.9	982	2	US-09-291-417D-90	Sequence 90, Appl
998	82.5	3.9	450	2	US-10-094-749-2630	Sequence 2630, Ap	1071	82	3.9	1174	1	US-08-040-751-3	Sequence 3, Appl
999	82.5	3.9	466	2	US-09-620-405B-472	Sequence 472, App	1072	82	3.9	1174	1	US-08-291-368-2	Sequence 2, Appl
1000	82.5	3.9	466	2	US-09-433-826B-472	Sequence 472, App	1073	82	3.9	1174	1	US-08-963-190-2	Sequence 2, Appl
1001	82.5	3.9	466	2	US-09-604-287A-472	Sequence 472, App	1074	82	3.9	1174	5	PCT-US95-10310-2	Patent No. 5164180
1002	82.5	3.9	466	2	US-09-834-759-472	Sequence 472, App	1075	82	3.9	1174	7	5164180-4	Sequence 16, Appl
1003	82.5	3.9	466	2	US-09-590-751A-472	Sequence 472, App	1076	82	3.9	1205	2	US-09-092-508-16	Sequence 16, Appl
1004	82.5	3.9	466	2	US-09-551-621-472	Sequence 472, App	1077	82	3.9	1362	2	US-09-435-115-16	Sequence 16, Appl
1005	82.5	3.9	466	2	US-09-551-621-472	Sequence 472, App	1078	82	3.9	1401	2	US-09-949-016-7033	Sequence 7033, Ap
1006	82.5	3.9	466	2	US-10-076-622-472	Sequence 472, App	1079	82	3.9	1401	2	US-09-489-039A-7201	Sequence 7201, Ap
1007	82.5	3.9	466	2	US-10-124-805-472	Sequence 472, App	1080	82	3.9	1530	2	US-09-976-594-736	Sequence 736, App
1008	82.5	3.9	517	2	US-09-134-001C-3188	Sequence 3188, Ap	1081	82	3.9	1530	2	US-09-949-016-6668	Sequence 6668, Ap
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1010	82.5	3.9	573	3	US-10-369-100A-112	Sequence 112, App	1083	81.5	3.9	313	2	US-09-710-279-1216	Sequence 1216, Ap
1011	82.5	3.9	608	2	US-09-134-001C-4751	Sequence 4751, Ap	1084	81.5	3.9	320	2	US-09-248-796A-24580	Sequence 24580, A
1012	82.5	3.9	661	2	US-10-076-622-552	Sequence 552, App	1085	81.5	3.9	357	2	US-09-710-279-410	Sequence 410, App
1013	82.5	3.9	661	2	US-10-124-805-552	Sequence 552, App	1086	81.5	3.9	362	2	US-09-134-001C-3198	Sequence 3198, Ap
1014	82.5	3.9	690	2	US-10-094-749-3005	Sequence 3005, Ap	1087	81.5	3.9	372	1	US-07-813-584A-3	Sequence 3, Appl
1015	82.5	3.9	759	2	US-09-002-285-86	Sequence 86, Appl	1088	81.5	3.9	372	1	US-08-330-515-3	Sequence 3, Appl
1016	82.5	3.9	759	2	US-09-589-477-86	Sequence 86, Appl	1089	81.5	3.9	387	2	US-09-248-796A-23962	Sequence 23962, A
1017	82.5	3.9	759	2	US-10-099-285A-86	Sequence 86, Appl	1090	81.5	3.9	393	2	US-09-491-577-82	Sequence 82, Appl
1018	82.5	3.9	844	2	US-09-248-796A-20272	Sequence 20272, A	1091	81.5	3.9	396	2	US-09-079-030-219	Sequence 219, App
1019	82.5	3.9	860	2	US-10-037-417-59	Sequence 59, Appl	1092	81.5	3.9	404	2	US-09-710-279-398	Sequence 398, App
1020	82.5	3.9	868	2	US-09-538-092-787	Sequence 787, App	1093	81.5	3.9	407	2	US-09-978-309A-78	Sequence 78, Appl
1021	82.5	3.9	905	2	US-09-248-796A-15706	Sequence 15706, A	1094	81.5	3.9	416	2	US-09-710-279-2402	Sequence 2402, Ap
1022	82.5	3.9	960	2	US-09-538-092-326	Sequence 326, App	1095	81.5	3.9	417	2	US-09-134-001C-5006	Sequence 5006, Ap
1023	82.5	3.9	978	2	US-09-949-016-10196	Sequence 10196, A	1096	81.5	3.9	426	2	US-08-630-915A-22	Sequence 22, App
1024	82.5	3.9	1013	2	US-10-076-622-553	Sequence 553, App	1097	81.5	3.9	434	2	US-09-879-957-22	Sequence 22, Appl
1025	82.5	3.9	1122	2	US-10-124-805-553	Sequence 553, App	1098	81.5	3.9	434	2	US-09-248-796A-17793	Sequence 17793, A
1026	82.5	3.9	1218	2	US-09-248-796A-16374	Sequence 16374, A	1099	81.5	3.9	476	2	US-09-978-309A-79	Sequence 79, Appl
1027	82.5	3.9	1231	2	US-09-589-567-2	Sequence 2, Appl	1100	81.5	3.9	510	1	US-08-557-122A-36	Sequence 36, Appl
1028	82.5	3.9	1231	2	US-08-714-741-41	Sequence 41, Appl	1101	81.5	3.9	510	2	US-09-262-666-36	Sequence 36, Appl
1029	82.5	3.9	1454	2	US-09-328-352-5793	Sequence 5793, Ap	1102	81.5	3.9	510	2	US-09-538-092-401	Sequence 401, App
1030	82.5	3.9	2058	2	US-09-949-016-6835	Sequence 6835, Ap	1103	81.5	3.9	520	2	US-09-248-796A-17644	Sequence 17644, A
1031	82.5	3.9	2111	2	US-09-949-016-10199	Sequence 10199, A	1104	81.5	3.9	525	2	US-09-248-796A-19573	Sequence 6, Appl
1032	82.5	3.9	2158	2	US-10-144-198-34	Sequence 34, Appl	1105	81.5	3.9	533	2	US-09-508-370A-6	Sequence 6, Appl
1033	82.5	3.9	2265	2	US-10-144-198-35	Sequence 35, Appl	1106	81.5	3.9	591	1	US-08-836-620A-17	Sequence 17, Appl
1034	82.5	3.9	2297	2	US-10-144-198-12	Sequence 12, Appl	1107	81.5	3.9	595	2	US-09-041-886-35	Sequence 15, Appl
1035	82	3.9	303	1	US-08-321-670-2	Sequence 2, Appl	1108	81.5	3.9	595	2	US-08-764-870-12	Sequence 12, Appl
1036	82	3.9	303	2	US-09-215-252-3	Sequence 3, Appl	1109	81.5	3.9	595	2	US-08-453-998-2	Sequence 2, Appl
1037	82	3.9	303	2	US-09-970-989A-3	Sequence 3, Appl	1110	81.5	3.9	595	2	US-09-949-016-5889	Sequence 9, Appl
1038	82	3.9	420	2	US-09-270-767-45855	Sequence 45855, A	1111	81.5	3.9	595	2	US-10-052-092-13	Sequence 13, Appl
1039	82	3.9	447	2	US-09-902-540-14598	Sequence 14598, A	1112	81.5	3.9	595	2	US-10-052-092-14	Sequence 14, Appl
1040	82	3.9	457	2	US-08-924-629C-6	Sequence 6, Appl	1113	81.5	3.9	595	2	US-10-081-563-2	Sequence 2, Appl
1041	82	3.9	481	2	US-09-248-796A-15812	Sequence 15812, A	1114	81.5	3.9	595	2	US-10-144-198-42	Sequence 42, Appl
1042	82	3.9	524	2	US-09-549-519-30	Sequence 30, Appl	1115	81.5	3.9	595	2	US-09-299-378-4	Sequence 4, Appl
1043	82	3.9	542	2	US-10-094-749-1711	Sequence 1711, Ap	1116	81.5	3.9	618	2	US-09-248-796A-17191	Sequence 17191, A
1044	82	3.9	547	2	US-09-134-000C-5974	Sequence 5974, Ap	1117	81.5	3.9	664	2	US-10-104-047-3647	Sequence 3647, Ap
1045	82	3.9	549	2	US-10-094-749-2658	Sequence 2658, Ap	1118	81.5	3.9	696	2	US-09-134-000C-6056	Sequence 6056, Ap
1046	82	3.9	573	2	US-09-134-000C-3258	Sequence 3258, Ap	1119	81.5	3.9	711	2		
1047	82	3.9	579	2	US-09-538-092-1284	Sequence 1284, Ap	1120	81.5	3.9				
1048	82	3.9	583	2	US-09-949-016-8267	Sequence 8267, Ap	1121	81.5	3.9				

1122	81.5	3.9	725	2	US-09-978-309A-47	Sequence 47, Appl	1195	81	3.8	1456	1	US-08-803-972-2	Sequence 2, Appl
1123	81.5	3.9	773	2	US-09-134-001C-4023	Sequence 4023, Ap	1196	81	3.8	2004	2	US-09-538-092-1371	Sequence 1371, Ap
1124	81.5	3.9	767	2	US-08-564-264-1	Sequence 1, Appl	1197	81	3.8	2004	2	US-09-949-016-6756	Sequence 6756, Ap
1125	81.5	3.9	790	2	US-08-960-780-4	Sequence 4, Appl	1198	81	3.8	2055	2	US-10-017-216-4	Sequence 4, Appl
1126	81.5	3.9	790	2	US-09-073-898-4	Sequence 4, Appl	1199	80.5	3.8	261	1	US-08-624-125-18	Sequence 18, Appl
1127	81.5	3.9	790	2	US-09-850-352A-4	Sequence 4, Appl	1200	80.5	3.8	261	1	US-08-937-155-18	Sequence 18, Appl
1128	81.5	3.9	885	1	US-08-533-306A-4	Sequence 4, Appl	1201	80.5	3.8	261	2	US-09-323-998E-18	Sequence 18, Appl
1129	81.5	3.9	885	1	US-08-742-923A-4	Sequence 4, Appl	1202	80.5	3.8	266	2	US-09-134-000C-4562	Sequence 4562, Ap
1130	81.5	3.9	928	2	US-09-623-326-44	Sequence 44, Appl	1203	80.5	3.8	313	2	US-08-480-640A-192	Sequence 192, App
1131	81.5	3.9	1007	2	US-09-155-558-30	Sequence 30, Appl	1204	80.5	3.8	313	2	US-08-686-968C-192	Sequence 192, App
1132	81.5	3.9	1034	2	US-10-104-047-2343	Sequence 2343, Ap	1205	80.5	3.8	313	2	US-08-488-237A-192	Sequence 192, App
1133	81.5	3.9	1056	2	US-09-079-030-217	Sequence 217, App	1206	80.5	3.8	313	2	US-08-375-932A-192	Sequence 192, App
1134	81.5	3.9	1177	2	US-09-134-001C-5106	Sequence 5106, Ap	1207	80.5	3.8	313	2	US-08-472-679H-192	Sequence 192, App
1135	81.5	3.9	1250	1	US-08-441-139-9	Sequence 9, Appl	1208	80.5	3.8	317	1	US-08-463-090B-9	Sequence 9, Appl
1136	81.5	3.9	1250	2	US-09-487-558B-364	Sequence 364, App	1209	80.5	3.8	317	1	US-08-874-347-18	Sequence 18, Appl
1137	81.5	3.9	1260	2	US-09-248-796A-20258	Sequence 20258, A	1210	80.5	3.8	317	2	US-09-093-522-18	Sequence 18, Appl
1138	81.5	3.9	1297	1	US-08-290-731C-4	Sequence 4, Appl	1211	80.5	3.8	330	2	US-09-248-796A-18426	Sequence 18426, A
1139	81.5	3.9	1729	2	US-09-696-115B-2	Sequence 2, Appl	1212	80.5	3.8	347	2	US-08-630-915A-32	Sequence 32, Appl
1140	81.5	3.9	1939	2	US-09-538-092-915	Sequence 915, App	1213	80.5	3.8	347	2	US-08-879-957-32	Sequence 32, Appl
1141	81.5	3.9	1939	2	US-09-949-016-11104	Sequence 11104, A	1214	80.5	3.8	380	2	US-09-107-532A-4570	Sequence 4570, Ap
1142	81.5	3.9	4536	2	US-09-180-422B-27	Sequence 27, Appl	1215	80.5	3.8	380	2	US-09-125-031C-13	Sequence 13, Appl
1143	81.5	3.9	4536	2	US-09-079-030-1	Sequence 1, Appl	1216	80.5	3.8	438	2	US-09-248-796A-19338	Sequence 19338, A
1144	81.5	3.9	4563	2	US-09-108-005C-1	Sequence 1, Appl	1217	80.5	3.8	471	2	US-10-104-047-3263	Sequence 3263, Ap
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1146	81	3.8	121	2	US-09-328-352-6634	Sequence 6634, App	1219	80.5	3.8	497	2	US-08-740-223A-14	Sequence 14, Appl
1147	81	3.8	191	2	US-09-248-796A-27915	Sequence 27915, A	1220	80.5	3.8	497	2	US-09-709-188-14	Sequence 14, Appl
1148	81	3.8	210	2	US-09-134-001C-3415	Sequence 3415, Ap	1221	80.5	3.8	513	2	US-10-225-060-14	Sequence 14, Appl
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1150	81	3.8	240	2	US-10-364-774-33	Sequence 33, Appl	1223	80.5	3.8	515	2	US-09-107-532A-5317	Sequence 5317, Ap
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1153	81	3.8	379	2	US-09-125-031C-11	Sequence 11, Appl	1226	80.5	3.8	559	2	US-09-438-185A-1063	Sequence 1063, Ap
1154	81	3.8	398	2	US-09-248-796A-19150	Sequence 19150, A	1227	80.5	3.8	563	2	US-09-949-016-10801	Sequence 10801, A
1155	81	3.8	414	2	US-09-830-217-2	Sequence 2, Appl	1228	80.5	3.8	580	2	US-09-270-767-45693	Sequence 45693, A
1156	81	3.8	414	2	US-10-278-946-2	Sequence 2, Appl	1229	80.5	3.8	591	2	US-09-134-000C-5327	Sequence 5327, Ap
1157	81	3.8	435	2	US-09-978-309A-80	Sequence 80, Appl	1230	80.5	3.8	609	2	US-08-538-092-711	Sequence 711, App
1158	81	3.8	444	2	US-09-248-796A-16216	Sequence 16216, A	1231	80.5	3.8	624	2	US-09-336-447A-7	Sequence 7, Appl
1159	81	3.8	448	1	US-08-959-749-2	Sequence 2, Appl	1232	80.5	3.8	624	2	US-09-952-267B-7	Sequence 7, Appl
1160	81	3.8	448	2	US-09-351-497-2	Sequence 2, Appl	1233	80.5	3.8	657	2	US-09-248-796A-19232	Sequence 19232, A
1161	81	3.8	469	2	US-09-830-230A-569	Sequence 569, App	1234	80.5	3.8	688	2	US-09-949-016-10779	Sequence 10779, Ap
1162	81	3.8	484	2	US-09-248-796A-14385	Sequence 14385, A	1235	80.5	3.8	778	2	US-09-328-352-7907	Sequence 7907, Ap
1163	81	3.8	508	2	US-10-104-047-3488	Sequence 3488, Ap	1236	80.5	3.8	817	2	US-08-543-681A-4637	Sequence 4637, Ap
1164	81	3.8	524	2	US-09-549-519-29	Sequence 29, Appl	1237	80.5	3.8	823	2	US-09-886-319A-63	Sequence 63, Appl
1165	81	3.8	534	2	US-09-248-796A-15937	Sequence 15937, A	1238	80.5	3.8	889	2	US-09-252-991A-18702	Sequence 18702, A
1166	81	3.8	536	2	US-09-107-532A-6930	Sequence 6930, Ap	1239	80.5	3.8	1056	2	US-09-595-684B-29	Sequence 29, Appl
1167	81	3.8	568	2	US-09-710-279-2482	Sequence 2482, Ap	1240	80.5	3.8	1138	2	US-09-767-215-5	Sequence 5, Appl
1168	81	3.8	577	2	US-09-107-433-4142	Sequence 4142, Ap	1241	80.5	3.8	1184	2	US-09-541-782-2	Sequence 2, Appl
1169	81	3.8	591	2	US-10-094-749-2491	Sequence 2491, Ap	1242	80.5	3.8	1184	2	US-08-723-820-2	Sequence 2, Appl
1170	81	3.8	593	2	US-09-248-796A-15435	Sequence 15435, A	1243	80.5	3.8	1184	2	US-10-270-085-2	Sequence 2, Appl
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1172	81	3.8	649	1	US-08-149-097D-37	Sequence 37, Appl	1245	80	3.8	194	2	US-09-248-796A-21186	Sequence 21186, A
1173	81	3.8	651	2	US-09-248-796A-20333	Sequence 20333, A	1246	80	3.8	230	1	US-09-538-092-104	Sequence 104, App
1174	81	3.8	668	2	US-09-248-796A-18902	Sequence 18902, A	1247	80	3.8	230	1	US-08-118-469A-3	Sequence 3, Appl
1175	81	3.8	722	2	US-08-390-874C-12	Sequence 12, Appl	1248	80	3.8	230	1	US-08-909-119-3	Sequence 3, Appl
1176	81	3.8	722	2	US-09-265-772-12	Sequence 12, Appl	1249	80	3.8	230	1	US-09-152-588-3	Sequence 3, Appl
1177	81	3.8	730	2	US-09-398-865A-2	Sequence 2, Appl	1250	80	3.8	248	7	5182262-8	Patent No. 5182262
1178	81	3.8	730	2	US-09-710-714-2	Sequence 2, Appl	1251	80	3.8	275	2	US-09-563-110-4347	Sequence 4347, Ap
1179	81	3.8	788	2	US-09-538-092-567	Sequence 567, App	1252	80	3.8	281	2	US-09-107-532A-4658	Sequence 4658, Ap
1180	81	3.8	797	2	US-09-086-912-2	Sequence 2, Appl	1253	80	3.8	316	2	US-09-270-767-46534	Sequence 46534, A
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1182	81	3.8	797	2	US-09-900-236-2	Sequence 2, Appl	1255	80	3.8	356	2	US-09-710-279-1048	Sequence 1048, Ap
1183	81	3.8	797	2	US-10-256-889-2	Sequence 2, Appl	1256	80	3.8	382	2	US-09-270-767-45948	Sequence 45948, A
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1186	81	3.8	872	1	US-08-766-014-2	Sequence 2, Appl	1259	80	3.8	425	2	US-10-254-995-11	Sequence 11, Appl
1187	81	3.8	1005	1	US-08-935-450-2	Sequence 2, Appl	1260	80	3.8	439	2	US-09-056-019C-30	Sequence 30, Appl
1188	81	3.8	1005	2	US-09-338-123-2	Sequence 2, Appl	1261	80	3.8	441	2	US-09-248-796A-26086	Sequence 26086, A
1189	81	3.8	1145	2	US-09-710-279-1432	Sequence 1432, Ap	1262	80	3.8	446	2	US-09-328-352-7524	Sequence 7524, Ap
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1193	81	3.8	1444	2	US-09-949-016-9652	Sequence 9652, Ap	1266	80	3.8	462	2	US-08-468-161-1	Sequence 1, Appl
1194	81	3.8	1456	1	US-08-803-973-2	Sequence 2, Appl	1267	80	3.8	462	2	US-08-051-759-1	Sequence 1, Appl

1268	80	3.8	462	5	PCT-US95-08156-1	Sequence 1, Appli	1341	80	3.8	1535	2	US-08-755-587-185	Sequence 185, App
1269	80	3.8	472	2	US-09-166-350-17	Sequence 17, Appl	1342	80	3.8	1540	2	US-09-949-016-11382	Sequence 11382, A
1270	80	3.8	478	2	US-08-740-223A-7	Sequence 7, Appli	1343	80	3.8	1540	2	US-09-949-016-11383	Sequence 11383, A
1271	80	3.8	478	2	US-09-709-188-7	Sequence 7, Appli	1344	80	3.8	1562	2	US-09-438-185A-152	Sequence 152, App
1272	80	3.8	478	2	US-10-225-060-7	Sequence 7, Appli	1345	80	3.8	1589	2	US-08-755-587-189	Sequence 189, App
1273	80	3.8	489	2	US-09-533-029-60	Sequence 60, Appl	1346	80	3.8	1693	2	US-09-560-385A-4	Sequence 4, Appli
1274	80	3.8	480	2	US-08-740-223A-12	Sequence 12, Appl	1347	80	3.8	1693	2	US-09-560-385A-8	Sequence 8, Appli
1275	80	3.8	490	2	US-09-709-188-12	Sequence 12, Appl	1348	80	3.8	1713	2	US-08-600-982-24	Sequence 24, Appli
1276	80	3.8	490	2	US-10-225-060-12	Sequence 12, Appl	1349	80	3.8	1713	2	US-09-560-385A-6	Sequence 6, Appli
1277	80	3.8	497	1	US-08-373-579-4	Sequence 4, Appli	1350	80	3.8	1713	2	US-09-538-092-1359	Sequence 1359, Ap
1278	80	3.8	497	1	US-08-418-595-4	Sequence 4, Appli	1351	80	3.8	1713	5	PCT-US94-10261A-24	Sequence 24, Appl
1279	80	3.8	497	1	US-08-665-926-4	Sequence 4, Appli	1352	80	3.8	1724	2	US-09-560-385A-2	Sequence 2, Appli
1280	80	3.8	497	1	US-08-348-492-4	Sequence 4, Appli	1353	80	3.8	2388	2	US-09-695-795A-2	Sequence 2, Appli
1281	80	3.8	497	2	US-09-162-437-4	Sequence 4, Appli	1354	79.5	3.8	255	2	US-09-227-357-488	Sequence 488, App
1282	80	3.8	497	2	US-08-740-223A-4	Sequence 4, Appli	1355	79.5	3.8	255	2	US-09-973-278-386	Sequence 386, App
1283	80	3.8	497	2	US-08-817-318-4	Sequence 4, Appli	1356	79.5	3.8	314	2	US-09-248-796A-20460	Sequence 20460, A
1284	80	3.8	497	2	US-09-709-188-4	Sequence 4, Appli	1357	79.5	3.8	320	2	US-09-583-110-2899	Sequence 2899, Ap
1285	80	3.8	497	2	US-09-442-717-4	Sequence 4, Appli	1358	79.5	3.8	327	2	US-09-107-433-4407	Sequence 4407, Ap
1286	80	3.8	497	2	US-09-689-020-4	Sequence 4, Appli	1359	79.5	3.8	354	2	US-10-094-749-3151	Sequence 3151, Ap
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1289	80	3.8	498	1	US-08-418-595-2	Sequence 2, Appli	1362	79.5	3.8	412	2	US-09-538-092-709	Sequence 709, App
1290	80	3.8	498	1	US-08-665-926-2	Sequence 2, Appli	1363	79.5	3.8	424	2	US-10-094-743-3031	Sequence 3031, Ap
1291	80	3.8	498	1	US-08-348-492-2	Sequence 2, Appli	1364	79.5	3.8	426	2	US-09-198-452A-760	Sequence 760, App
1292	80	3.8	498	2	US-09-162-437-2	Sequence 2, Appli	1365	79.5	3.8	431	2	US-09-134-000C-5352	Sequence 5352, Ap
1293	80	3.8	498	2	US-08-740-223A-20	Sequence 20, Appl	1366	79.5	3.8	450	2	US-09-248-796A-14553	Sequence 14553, A
1294	80	3.8	498	2	US-08-740-223A-20	Sequence 20, Appl	1367	79.5	3.8	480	2	US-09-270-767-43870	Sequence 43870, A
1295	80	3.8	498	2	US-09-351-457-2	Sequence 2, Appli	1368	79.5	3.8	503	2	US-08-999-689A-6	Sequence 6, Appli
1296	80	3.8	498	2	US-09-561-500-2	Sequence 2, Appli	1369	79.5	3.8	503	2	US-09-944-807-4	Sequence 4, Appli
1297	80	3.8	498	2	US-09-561-108-2	Sequence 2, Appli	1370	79.5	3.8	506	1	US-08-845-161A-18	Sequence 18, Appl
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1301	80	3.8	498	2	US-08-817-318-2	Sequence 2, Appli	1374	79.5	3.8	519	2	US-10-295-723-85	Sequence 85, Appl
1302	80	3.8	498	2	US-09-709-188-2	Sequence 2, Appli	1375	79.5	3.8	527	2	US-09-107-532A-5945	Sequence 5945, Ap
1303	80	3.8	498	2	US-09-709-188-20	Sequence 20, Appl	1376	79.5	3.8	547	2	US-10-052-092-10	Sequence 10, Appl
1304	80	3.8	498	2	US-09-561-499-2	Sequence 2, Appli	1377	79.5	3.8	562	1	US-07-688-352C-4	Sequence 4, Appli
1305	80	3.8	498	2	US-09-442-717-2	Sequence 2, Appli	1378	79.5	3.8	562	1	US-08-942-521B-8	Sequence 8, Appli
1306	80	3.8	498	2	US-09-689-020-2	Sequence 2, Appli	1379	79.5	3.8	562	1	US-08-474-379C-4	Sequence 4, Appli
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ALIGNMENTS

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; PRIOR FILING DATE: 1998-07-09

Query Match      100.0%; Score 2109; DB 2; Length 409;
Best Local Similarity 100.0%; Pred. No. 3.4e-187; Indels 0; Gaps 0;
Matches 409; Conservative 0; Mismatches 0;

QY 1 MEGESTSAVLGSGVLGALAFQHLNLTDSDTGEGLLGEVKGAEKNSITDSQMDQDVVVYITD 60
Db 1 MEGESTSAVLGSGVLGALAFQHLNLTDSDTGEGLLGEVKGAEKNSITDSQMDQDVVVYITD 60

QY 61 IQYIYPCYQLPFFYNSGVEVQALKILSNYKKNVGVGKYKRRHSDQIMTFRELLHKN 120
Db 61 IQYIYPCYQLPFFYNSGVEVQALKILSNYKKNVGVGKYKRRHSDQIMTFRELLHKN 120

QY 121 LOEHFSNODLVLLITPSITSCSTRLEHSLYKPKGLFHRVPLVWNLGMSQLGYK 180
Db 121 LOEHFSNODLVLLITPSITSCSTRLEHSLYKPKGLFHRVPLVWNLGMSQLGYK 180

QY 181 TVSGCMSTGFSRAVQTHSSKFFEDGSLKEVHKINEMYASIQBELKSICKKVEDSEQAV 240
Db 181 TVSGCMSTGFSRAVQTHSSKFFEDGSLKEVHKINEMYASIQBELKSICKKVEDSEQAV 240

QY 241 DKLVDVRLKREIEKRGQAQIAAREKNIQDPOENIFLCOALRTFFPNSEFLHSCVMS 300
Db 241 DKLVDVRLKREIEKRGQAQIAAREKNIQDPOENIFLCOALRTFFPNSEFLHSCVMS 300

QY 301 LKNRVKSSCNYNHLLDVVDNLTLVVEHTDIPASPASTPOIHKHKLDDLDNRWQKRS 360
Db 301 LKNRVKSSCNYNHLLDVVDNLTLVVEHTDIPASPASTPOIHKHKLDDLDNRWQKRS 360

QY 361 RLDDTQDKRSKANTGSSNQDKASKMSSPETDEIEKMKGFGYRSRPTF 409
Db 361 RLDDTQDKRSKANTGSSNQDKASKMSSPETDEIEKMKGFGYRSRPTF 409

RESULT 2
US-09-990-444-158
; Sequence 158, Application US/09990444
; Patent No. 6930170
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C19
; CURRENT APPLICATION NUMBER: US/09/990,444
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
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/	PRIOR APPLICATION NUMBER:	60/092182
/	PRIOR FILING DATE:	1998-07-09

Query Match 100.0%; Score 2109; DB 2; Length 409;
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Qy	61	IQKYPCYQLQPSFYNSGSSENEQALKILSNVKKNVGVWKPRHRSQIQTFRERLLHK	120
Dd	61	IQKYPCYQLQPSFYNSGSSENEQALKILSNVKKNVGVWKPRHRSQIQTFRERLLHK	120
Qy	121	LQEHFSNQDLVFLLLTPTSIITESCSTHRLEHSLYKPKGLFHRVPLVVANLGHMSEQLG	180
Dd	121	LQEHFSNQDLVFLLLTPTSIITESCSTHRLEHSLYKPKGLFHRVPLVVANLGHMSEQLG	180
Qy	181	TVSGSCMSTGFSSRAVQTHSSKFPEEDGSLKEVHKINEMYASLOBELKSICKVEDDSQAV	240
Dd	181	TVSGSCMSTGFSSRAVQTHSSKFPEEDGSLKEVHKINEMYASLOBELKSICKVEDDSQAV	240
Qy	241	DKLVKVNRUKREIKKRGAQIQAAEKNIQKDPOENIFLCQALRTPFPNSEFLHSCVMS	300
Dd	241	DKLVKVNRUKREIKKRGAQIQAAEKNIQKDPOENIFLCQALRTPFPNSEFLHSCVMS	300
Qy	301	LKRNHVSKSCNYNHLDVVDNLTLWVEHTDIPASGPASTPQIIKHKALDLDROWQFKRS	360
Dd	301	LKRNHVSKSCNYNHLDVVDNLTLWVEHTDIPASGPASTPQIIKHKALDLDROWQFKRS	360
Qy	361	RLLDTDQKRSKANTGSGNQDKASKMSPTDEIEKMKGFEGYSRSTPF	409
Dd	361	RLLDTDQKRSKANTGSGNQDKASKMSPTDEIEKMKGFEGYSRSTPF	409

APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas P.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730PLC27
CURRENT APPLICATION NUMBER: US/09/997,333
CURRENT FILING DATE: 2001-11-15
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PRIOR FILING DATE: 1998-07-02
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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2109; DB 2; Length 409;

Best Local Similarity 100.0%; Pred. No. 3.4e-187;

Matches 409; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MEGESTSAVLGPGVLCALAFQHLNLTSDTEGFLGVEKGEAKNSITDSQMDVVEVYTTID 60
DB 1 MEGESTSAVLGPGVLCALAFQHLNLTSDTEGFLGVEKGEAKNSITDSQMDVVEVYTTID 60
QY 61 IQKIIPCYQLFSPYNSGGEVNEQALKILSNVKNVGVWKPRHSDQIMTFRERLLHKN 120
DB 61 IQKIIPCYQLFSPYNSGGEVNEQALKILSNVKNVGVWKPRHSDQIMTFRERLLHKN 120
QY 121 LQEHFSNQDLVFLLLTFSITTESCSTRHLSLYKPKQGLFHRVPLVAVNLGMSEQLGYK 180
DB 121 LQEHFSNQDLVFLLLTFSITTESCSTRHLSLYKPKQGLFHRVPLVAVNLGMSEQLGYK 180
QY 181 TVSGSCMSTGFSRAVOTHASKPFEEDGSLKEVHKINEMVASLQEBELKSI CKKVEDSEQAV 240
DB 181 TVSGSCMSTGFSRAVOTHASKPFEEDGSLKEVHKINEMVASLQEBELKSI CKKVEDSEQAV 240
QY 241 DKLVKDVNRLKRIEKRGAQIOAAREKNIQKDPQENIFLCOALRTFFPNSFFLHSCVMS 300
DB 241 DKLVKDVNRLKRIEKRGAQIOAAREKNIQKDPQENIFLCOALRTFFPNSFFLHSCVMS 300
QY 301 LKNRHVSKSCNHNHLDVVDNLTLVHEHTDIPASPASTPQIIKHKALDLDLDRWQFKRS 360
DB 301 LKNRHVSKSCNHNHLDVVDNLTLVHEHTDIPASPASTPQIIKHKALDLDLDRWQFKRS 360
QY 361 RLLDTQDKRSKANTGSSNQDKASKMSPETDEIEKMGFGEYSRPTF 409
DB 361 RLLDTQDKRSKANTGSSNQDKASKMSPETDEIEKMGFGEYSRPTF 409

RESULT 4

US-09-992-598-158

; Sequence 158, Application US/09992598

Patent No. 6956108
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
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APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
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APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730PIC20
CURRENT APPLICATION NUMBER: US/09/992,598
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
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 ; PRIOR APPLICATION NUMBER: 60/092182
 ; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2109; DB 2; Length 409;

Best Local Similarity 100.0%; Pred. No. 3.4e-187;

Matches 409; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy	121	LQEHFNSQDLVFLLLTPTSIITSCSTRLEHSLYKPKQGLFHRVPLVAVNLGMSQLGYK	180
Db	121	LQEHFNSQDLVFLLLTPTSIITSCSTRLEHSLYKPKQGLFHRVPLVAVNLGMSQLGYK	180
Qy	181	TVSGSCMSTGFSRAVQTHSSKPFEEGSLKEVHKINEMYASLOBELKSI CKKVDSBOAV	240
Db	181	TVSGSCMSTGFSRAVQTHSSKPFEEGSLKEVHKINEMYASLOBELKSI CKKVDSBOAV	240

QY 241 DKLVKDVNRLKREIEKRGGAQIOAAREKNIQKDPQENIFLCOALRTFFNSFLHSCVMS 300
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; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
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; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC61
; CURRENT APPLICATION NUMBER: US/09/989,735
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; PRIOR APPLICATION NUMBER: 60/049787
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; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

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DB 181 TVSGSCMTGPRAVQTHSSKFEEDGSLKVEYHKINEMVASYLQEBLSICKKVEDSEQAV 240
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; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
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; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel

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; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C46
; CURRENT APPLICATION NUMBER: US/09/997,514
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;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2109; DB 3; Length 409;

Best Local Similarity 100.0%; Pred. No. 3,48-187; Mismatches 0; Indels 0; Gaps 0;

Matches 409; Conservative 0;

QY 1 MEGESTSAVLGSGFVLGALAFQHLNLTSDTEGFLGGEVKEAKNSITDSQMDDEVVYTTID 60
DB 1 MEGESTSAVLGSGFVLGALAFQHLNLTSDTEGFLGGEVKEAKNSITDSQMDDEVVYTTID 60
QY 61 TOKYIPCYQLPSFYNSGSEVNEQALKILSNVKNVGVGKFKRRHSQDQIMTFRLLHKN 120
DB 61 TOKYIPCYQLPSFYNSGSEVNEQALKILSNVKNVGVGKFKRRHSQDQIMTFRLLHKN 120
QY 121 LOEHFNSQDLVFLLLTPSIITESCSTHRELSLYKPQGLPHRVPLVNVANLGMSEOLGYK 180
DB 121 LOEHFNSQDLVFLLLTPSIITESCSTHRELSLYKPQGLPHRVPLVNVANLGMSEOLGYK 180
QY 181 TVSGSCMSTGFSRAVQTHSSKFFEDGSLKEVHKINEMYASIQEELKSIKCKVDESEQAV 240
DB 181 TVSGSCMSTGFSRAVQTHSSKFFEDGSLKEVHKINEMYASIQEELKSIKCKVDESEQAV 240
QY 241 DKLVKDVNRLKREIEKREGAQIOAAREKNIQKPOENIFLCOALRTFFPNSFPLHSCVMS 300
DB 241 DKLVKDVNRLKREIEKREGAQIOAAREKNIQKPOENIFLCOALRTFFPNSFPLHSCVMS 300
QY 301 LKNRHVSKSCNHNHLDVNDLTLWVEHTDIPASPASTPOIIKHKALDLDLDRWQFKRS 360
DB 301 LKNRHVSKSCNHNHLDVNDLTLWVEHTDIPASPASTPOIIKHKALDLDLDRWQFKRS 360
QY 361 RLDDTQDKRSKANTGSSNQDKASKMSSPETDEEIEKMGFGBYSRSPTF 409
DB 361 RLDDTQDKRSKANTGSSNQDKASKMSSPETDEEIEKMGFGBYSRSPTF 409

RESULT 8

US-09-989-728-158
; Sequence 158, Application US/09989728
; Patent No. 7029873
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David

APPLICANT: Deenoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C72
CURRENT APPLICATION NUMBER: US/09/989,728
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
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 ; PRIOR FILING DATE: 1998-07-01
 ; PRIOR APPLICATION NUMBER: 60/091478
 ; PRIOR FILING DATE: 1998-07-02
 ; PRIOR APPLICATION NUMBER: 60/091544
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 ; PRIOR FILING DATE: 1998-07-02
 ; PRIOR APPLICATION NUMBER: 60/091633
 ; PRIOR FILING DATE: 1998-07-02
 ; PRIOR APPLICATION NUMBER: 60/091978
 ; PRIOR FILING DATE: 1998-07-07
 ; PRIOR APPLICATION NUMBER: 60/091982
 ; PRIOR FILING DATE: 1998-07-07
 ; PRIOR APPLICATION NUMBER: 60/092182
 ; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 2109; DB 3; Length 409;
 Best Local Similarity 100.0%; Pred. No. 3.4e-187;
 Matches 409; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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 DB 121 LQEHFNSQDLVFLLLTPSIITESCSTHRLHSLYKPKQGLFHRVPLVAVNLMGMSQGLYK 180
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 QY 241 DKLKVDNRLKREIEKRGAQIQAAAREKNIQKPOENIFLCOALRTFFPNSEFLHSCVMS 300
 DB 241 DKLKVDNRLKREIEKRGAQIQAAAREKNIQKPOENIFLCOALRTFFPNSEFLHSCVMS 300

QY 301 LKQHVSKSSCNYNHHLDVVDNLTLMVHTDIPASASTPOIIKHKALDLDNRWQFKRS 360
 DB 301 LKQHVSKSSCNYNHHLDVVDNLTLMVHTDIPASASTPOIIKHKALDLDNRWQFKRS 360
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 DB 361 RLDDTQDKRSKANTGSSNQDKASKVSSPETDEIEIKMKGFGYSRSPTF 409

RESULT 9

US-09-997-349-158
 ; Sequence 158, Application US/09997349
 ; Patent No. 7034106
 ; GENERAL INFORMATION:
 ; APPLICANT: Ashkenazi, Avi J.
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, J. Christopher
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Kljavin, Ivar J.
 ; APPLICANT: Napier, Mary A.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K.
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William I.
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; FILE REFERENCE: P2730P1C37
 ; CURRENT APPLICATION NUMBER: US/09/997,349
 ; CURRENT FILING DATE: 2001-11-15
 ; PRIOR APPLICATION NUMBER: 60/049787
 ; PRIOR FILING DATE: 1997-06-16
 ; PRIOR APPLICATION NUMBER: 60/062250
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 ; PRIOR APPLICATION NUMBER: 60/065186
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 ; PRIOR FILING DATE: 1998-06-03
 ; PRIOR APPLICATION NUMBER: 60/088021
 ; PRIOR FILING DATE: 1998-06-04

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21	PRIOR FILING DATE: 1998-06-24	
22	PRIOR APPLICATION NUMBER: 60/090472	
23	PRIOR FILING DATE: 1998-06-24	
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46	PRIOR APPLICATION NUMBER: 60/090863	
47	PRIOR FILING DATE: 1998-06-26	
48	PRIOR APPLICATION NUMBER: 60/091360	
49	PRIOR FILING DATE: 1998-07-01	
50	PRIOR APPLICATION NUMBER: 60/091478	
51	PRIOR FILING DATE: 1998-07-02	
52	PRIOR APPLICATION NUMBER: 60/091544	
53	PRIOR FILING DATE: 1998-07-01	
54	PRIOR APPLICATION NUMBER: 60/091519	
55	PRIOR FILING DATE: 1998-07-02	
56	PRIOR APPLICATION NUMBER: 60/091626	
57	PRIOR FILING DATE: 1998-07-02	
58	PRIOR APPLICATION NUMBER: 60/091633	
59	PRIOR FILING DATE: 1998-07-02	
60	PRIOR APPLICATION NUMBER: 60/091978	
61	PRIOR FILING DATE: 1998-07-07	
62	PRIOR APPLICATION NUMBER: 60/091982	
63	PRIOR FILING DATE: 1998-07-07	
64	PRIOR APPLICATION NUMBER: 60/092182	
65	PRIOR FILING DATE: 1998-07-09	

	Query Match	100.0%	Score 2109;	DB 3;	Length 4095
Best Local Similarity	100.0%;		Pred. No. 3.4e-187;		
Matches 409; Conservative	0;	Mismatches	0	Indels	0

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DB 61 IQKIYPCYQLFSPYNSGVEVNEQALKKILSNVKNVGVGKYKFRHSDDQIMTFRERLLHN 120
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RESULT 10
US-997-653-158
; Sequence 158, Application US/09997653
; Patent No. 7034122
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PLC38
; CURRENT APPLICATION NUMBER: US/09/997,653
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
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Db 301 LKORHYSKSCNHNHLDVVDNLTLMVEHTDIPASASTPQIIKHKALDLDHRQPKRS 360
Qy 361 RLLODTQKRSKANTGSSNQDKASKMSSPETDEEIEKMGFGYRSPTTF 409
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RESULT 11

US-09-989-293A-158
; Sequence 158, Application US/09989293A
; Patent No. 7034136
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deanoysers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary B.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas P.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

1 TITLE OF INVENTION: Acids Encoding the Same
2 FILE REFERENCE: P2730PIC66
3 CURRENT APPLICATION NUMBER: US/09/989,293A
4 CURRENT FILING DATE: 2001-11-20
5 PRIOR APPLICATION NUMBER: 60/049787
6 PRIOR FILING DATE: 1997-06-16
7 PRIOR APPLICATION NUMBER: 60/062250
8 PRIOR FILING DATE: 1997-10-17
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; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
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; CURRENT FILING DATE: 2000-07-21
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; Sequence 20284, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstein et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICA
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; PRIOR FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 20284
; LENGTH: 1078
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-20284
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Best Local Similarity 22.8%; Pred. No. 0.0027;
Matches 89; Conservative 74; Mismatches 145; Indels 83; Gaps 21;

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; Sequence 32831; Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 32831
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; FEATURE:
; - OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-32831

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RESULT 15

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; Sequence 8, Application US/09762194
; Patent No. 6835539
; GENERAL INFORMATION:
; APPLICANT: Elbaz, Nathalie
; APPLICANT: Nahmias, Clara
; APPLICANT: Scroberg, Arthur Donny
; TITLE OF INVENTION: NUCLEIC SEQUENCES ENCODING AN AT2
; TITLE OF INVENTION: RECEPTOR-INTERACTING PROTEIN (ATIP) AND THEIR APPLICATIONS
; FILE REFERENCE: 33339/208804

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, CURRENT APPLICATION NUMBER: US/09/762,194
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, CURRENT FILING DATE: 2001-04-19
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, PRIOR APPLICATION NUMBER: PCT/FR99/01908
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, PRIOR FILING DATE: 1999-08-02
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, ORGANISM: Homo sapiens
US-09-762-194-8

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OM protein - protein search, using sw model

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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862	112	5.3	1171	4	US-10-032-585-7519	Sequence 7519, Ap	935	109	5.2	1327	4	US-10-408-765A-1215	Sequence 1215, Ap
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905	110	5.2	546	3	US-09-976-740-44	Sequence 44, Appl	1426	107	5.1	1225	4	US-10-369-493-21875	Sequence 21875, A
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910	110	5.2	546	6	US-11-124-367A-498	Sequence 498, App	1431	106.5	5.0	806	4	US-10-771-931-9	Sequence 9, Appl
911	110	5.2	546	3	US-09-864-761-38419	Sequence 38419, A	1432	106.5	5.0	897	5	US-10-501-282-5500	Sequence 5500, Ap
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916	110	5.2	1518	4	US-10-369-493-22243	Sequence 22243, A	1437	106.5	5.0	1111	4	US-10-369-493-1413	Sequence 1413, Ap
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918	110	5.2	1518	6	US-11-087-099-1886	Sequence 1886, Ap	1439	106.5	5.0	1939	5	US-10-732-923-3340	Sequence 3340, Ap
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1441	106.5	5.0	2230	5	US-10-511-096-4	Sequence 4, Appli
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1443	106.5	5.0	2252	5	US-10-511-096-8	Sequence 8, Appli
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1449	106	5.0	671	4	US-10-425-115-259713	Sequence 259713,
1450	106	5.0	891	4	US-10-408-765A-565	Sequence 565, Appl
1451	106	5.0	895	5	US-10-470-048B-56	Sequence 56, Appl
1452	106	5.0	895	5	US-10-512-373-2	Sequence 2, Appli
1453	106	5.0	895	5	US-10-485-517-129	Sequence 129, App
1454	106	5.0	909	6	US-10-172-502-6	Sequence 6, Appli
1455	106	5.0	909	6	US-11-020-509-6	Sequence 6, Appli
1456	106	5.0	975	5	US-10-934-998-294	Sequence 294, App
1457	106	5.0	980	4	US-10-211-462-145	Sequence 145, App
1458	106	5.0	989	5	US-10-821-234-975	Sequence 975, App
1459	106	5.0	1201	5	US-10-450-763-40871	Sequence 40871, A
1460	106	5.0	1349	4	US-10-618-581-16	Sequence 16, Appl
1461	106	5.0	1663	5	US-10-055-877-148	Sequence 148, App
1462	106	5.0	1912	4	US-10-188-186-48	Sequence 48, Appl
1463	105.5	5.0	323	3	US-09-764-898-181	Sequence 181, App
1464	105.5	5.0	352	5	US-10-732-923-14829	Sequence 14829, A
1465	105.5	5.0	435	3	US-09-866-582-33	Sequence 33, Appl
1466	105.5	5.0	435	3	US-10-839-016-33	Sequence 33, Appl
1467	105.5	5.0	533	6	US-11-097-143-14760	Sequence 14760, A
1468	105.5	5.0	882	5	US-10-732-923-3300	Sequence 3300, Ap
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1470	105.5	5.0	1127	5	US-10-732-923-3322	Sequence 3322, Ap
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1472	105.5	5.0	1235	5	US-10-732-923-8669	Sequence 8669, Ap
1473	105.5	5.0	1261	4	US-10-177-980-2	Sequence 2, Appli
1474	105.5	5.0	1261	4	US-10-648-593-192	Sequence 192, App
1475	105.5	5.0	1261	6	US-11-072-175-192	Sequence 192, App
1476	105.5	5.0	1979	4	US-10-205-823-419	Sequence 419, App
1477	105.5	5.0	1979	6	US-11-051-454-419	Sequence 419, App
1478	105.5	5.0	3328	5	US-10-732-923-8311	Sequence 8311, Ap
1479	105.5	5.0	3878	4	US-10-080-608A-11	Sequence 11, Appl
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1481	105.5	5.0	3907	4	US-10-171-311-2	Sequence 2, Appli
1482	105.5	5.0	3908	5	US-10-756-149-5739	Sequence 5739, Ap
1483	105.5	5.0	3911	4	US-10-370-685-100	Sequence 100, App
1484	105.5	5.0	3911	4	US-10-408-765A-1839	Sequence 1839, Ap
1485	105.5	5.0	3917	4	US-10-171-311-8	Sequence 8, Appli
1486	105.5	5.0	3925	4	US-10-171-311-6	Sequence 6, Appli
1487	105	5.0	503	4	US-10-425-115-264777	Sequence 264777,
1488	105	5.0	765	4	US-10-425-115-214480	Sequence 214480,
1489	105	5.0	785	4	US-10-425-115-314317	Sequence 314317,
1490	105	5.0	854	4	US-10-424-599-199375	Sequence 199375,
1491	105	5.0	1969	3	US-09-839-479-71	Sequence 71, Appl
1492	105	5.0	1969	4	US-10-376-537-72	Sequence 72, Appl
1493	105	5.0	1969	4	US-10-702-148-71	Sequence 71, Appl
1494	105	5.0	1972	3	US-09-839-479-21	Sequence 21, Appl
1495	105	5.0	1972	4	US-10-376-537-21	Sequence 21, Appl
1496	105	5.0	1972	4	US-10-702-148-21	Sequence 21, Appl
1497	105	5.0	1972	5	US-10-489-740-176	Sequence 176, App
1498	105	5.0	1972	5	US-10-756-149-5621	Sequence 5621, Ap
1499	104.5	5.0	207	3	US-09-925-298-686	Sequence 686, App
1500	104.5	5.0	207	4	US-10-102-806-686	Sequence 686, App

Search completed: August 21, 2006, 20:26:17

Job time : 205 secs